



22 November 2011

J. Peter Jensen  
Prymorys Environmental Consulting, Inc.  
150 Rock Point Drive, Unit A  
Durango, CO 81301

Dan Fauth  
BP America Production Company  
380A Airport Road  
Durango, Colorado 81303

**Re: Hester GU No. 1 Soil Samples for Herbicides and Select COGCC Table 910-1 Analytes**

Mr. Dan Fauth,

Prymorys has reviewed the lab results from the 15 sampling sites for a total of 60 samples—two samples each from surface (Surface to 2 inches) and subsurface (6 inches to 8 inches). These samples were collected on the evening of 12 October 2011 and the morning of 13 October 2011. Attached to this letter is the comprehensive laboratory data, a sample location map with a table of sample location descriptions, and a summary table for each analyte by sampling depth. A description of methods for sample acquisition is also provided in the attached map.

**Herbicides**

Material Safety Data Sheets (MSDS) and product labels were received from BP's weed control contractor—Four Corners Weed Control (FCWC)—on 12 October 2011 via email. Prymorys understands that the MSDS and labels reflect the herbicides used at the subject well site since 2008, as recorded by FCWC. From the eleven (11) herbicides analyzed seven (7) were detected within the sampling area: 2,4,5-T; 2,4-D; 2,4-DB; Dinoseb, Picloram, MCPP, and Diuron.

2,4-DB, having 2,4-D as its active metabolite, was detected at the surface in 13 sampling locations and in 10 locations at the 6 inch sample depth. Two of the five non-detect sampling locations at the 6 inch depth were also non-detect at the surface; SE-2, and Fo-1. Two sample locations detected 2,4-D at the surface with non-detect samples at the corresponding 6 inch depth samples; P-2 and P-3. These sites detected 2,4-DB at both the surface and subsurface. Product labels containing 2,4-Dichlorophenylacetic acid (2,4-D) are Weedone LV6 EC and Savage—which is a dimethylamine salt of 2,4-D.

Diuron was detected in the surface at 9 sampling locations and in 5 locations at the 6 inch sample depth. Relatively higher detection rates are near the surface equipment on the well site at sample locations P-2 and P-3. Diuron was not detected in samples batches 2 through 4 both within and outside of the east facility fence-line and within the surface and 6 inch depth samples. Its gradient of detection is from P-2 and P-3 to SE-3, Fi-1 and then Fo-1. Detection at Fo-1 represents a 98% reduction from P-3. Also, at all locations detecting Diuron, its concentration is greatest at the surface sampling layer with significantly reduced concentrations 6 inches deep—becoming undetectable in 4 of the 9 locations at this depth. Product labels containing diuron are Diuron 80DF and Krovar I DF.

Picloram is a broadleaf herbicide typically used to control brush and coniferous and broad-leaf trees. It was detected in samples from P-1, P-2, P-4, and SE-3. Picloram was detected in the SE-3 surface sample and was not detected in the 6 inch sample. The remaining sites had higher concentrations detected at the surface than in the 6 inch samples. No other instances of the analyte were detected. The product label containing picloram is Picloram 22K.

Three herbicides (Dinoseb, MCPP, and 2,4,5-T) not on record for use at the site were also detected at differing locations along the fence-line, within the graveled area of the well pad, or at SE-3. Dinoseb and MCPP herbicides are generally considered household strength herbicides. The reason for their detection is unknown. For methylchlorophenoxypropionic acid (MCPP) the lab data show inconsistencies in its depth of detection—in one instance not being present at the surface



with a higher concentrations in the corresponding sub-depth sample (Fi-4) and vise-versa at a distant sampling point (P3). All concentrations of Dinoseb decreased in the sub-surface samples (Fi-2, P-2, P-3, and P-4). 2,4,5-T was detected at SE-3 and a distant sample point, P-1, both at an apparently low concentration. The reason for its detection is also unknown.

**Table 910-1**

Two (2) analytes were detected above Table 910-1 concentrations at two locations within the graveled area of the well pad (Surface samples at sampling points P-1 and P-4 for electrical conductivity) and within the facility boundary at the far north-east corner (Subsurface sample at Fi-4 for pH). Aside from Fi-4, pH of the soil surrounding the pad is consistent with the NRCS assumed levels for this soil type (Falfa Clay Loam; pH of 6.6-7.8. surface to 34 inches deep) and within target range for regional plant growth. Pad surface soils are indicative of mined materials. Therefore, the pH of the P-1 through P-4 samples is more basic than that of native soil samples-as is to be expected.

If you have any additional questions please call me at my office, (970) 385-4732, or email me at [jjp@prymorysenviron.com](mailto:jjp@prymorysenviron.com)

Sincerely,

A handwritten signature in black ink, appearing to read "J. Peter Jensen", with a long horizontal line extending to the right.

J. Peter Jensen  
President  
Prymorys Environmental Consulting, Inc.

*Enclosures*



# Hester #1 Herbicides and Reduced COGCC Table 910.1

ID	Conductivity (surface)	pH (surface)	SAR (surface)	2,4,5-T (surface) (µg/kg)	2,4-D (surface) (µg/kg)	2,4-DB (surface) (µg/kg)	Dinoseb (surface) (µg/kg)	Picloram (surface) (µg/kg)	MCPD (surface) (µg/kg)	Diuron (surface) (µg/kg)
Fi 1 S	0.387	6.92	0.14	0	0	3.5	0	0	0	180
Fi 1 6	0.166	6.8	0.13	0	0	6.9	0	0	0	71
Fi 2 S	0.275	6.77	0.15	0	0	14	1.7	0	0	0
Fi 2 6	0.296	6.85	0.2	0	0	25	3.4	0	0	0
Fi 3 S	0.411	7.14	0.06	0	0	41	0	0	0	0
Fi 3 6	0.278	7.65	0.19	0	0	11	0	0	0	0
Fi 4 S	0.51	6.85	0.1	0	0	8.3	0	0	0	0
Fi 4 6	0.327	9.91	0.16	0	0	12	0	0	2300	0
Fo 1 S	0.27	6.82	0.16	0	0	0	0	2.7	0	40
Fo 1 6	0.152	6.92	0.19	0	0	0	0	2.2	0	0
Fo 2 S	0.428	6.96	0.14	0	0	11	0	2.9	0	0
Fo 2 6	0.367	6.81	0.22	0	0	30	0	2.1	0	0
Fo 3 S	0.226	6.62	0.07	0	0	14	0	3	0	0
Fo 3 6	0.245	7	0.14	0	0	19	0	2.1	0	0
Fo 4 S	0.728	7.17	0.3	0	0	12	0	0	0	0
Fo 4 6	0.702	7.29	0.3	0	0	8.1	0	2.8	0	0
P 1 S	1210	7.87	0.58	6.3	0	11	0	18	0	280
P 1 6	0.424	8.06	0.44	0	0	0	0	7.6	0	0
P 2 S	0.58	8.04	0.55	0	27	33	9.8	15	2500	1100
P 2 6	0.307	8.12	0.65	0	0	5.4	2.9	4.1	2800	0
P 3 S	0.583	8.06	0.32	0	29	14	10	3.4	2700	2000
P 3 6	0.374	7.76	0.45	0	0	5.4	1.6	0	0	61
P 4 S	1350	8	1.78	0	0	19	4.3	9.4	0	100
P 4 6	0.67	8.02	1.74	0	0	11	1.9	18	0	0
SE 1 S	0.285	6.67	0.9	0	0	16	0	1.7	0	300
SE 1 6	0.276	6.77	0.23	0	0	0	0	2.9	0	49
SE 2 S	0.321	7.36	0.09	0	0	0	0	0	0	220
SE 2 6	0.189	7.08	0.11	0	0	0	0	3.5	0	41
SE 3 S	0.377	7.89	0.3	3.9	0	24	0	4.1	0	710
SE 3 6	0.211	7.48	0.13	0	0	0	0	0	0	28







**MATERIALS:**  
White pin flags,  
1 Trimble 2008 Series GeoExplorer GeoXH GPS Unit,  
Latex Gloves,  
30 Glass Sample Jars,  
30 1gal Labelled Zipper Storage Bags,  
Cooler,  
Work Gloves,  
20in Drain Spade Shovel, and  
Hex Shaft Digging Bar.

**METHODS:**  
(1) Establish sample points with pin flags at representative locations of (a) source, (b) sheet flow run-off areas inside and outside facility boundary, (c) up-gradient vegetated areas, and (d) confined flow point discharge areas.  
(2) Obtain GPS locations of pre-established sampling points.  
(3) Clear standing vegetation and clear large exposed root wads from an approximate 20 in x 14 in surface  
(4) Use leather work gloves and take approximately 2 in of soil from across approximately 16 in of surface with a clean 20 in Drain Spade Shovel--keep on shovel surface. (Use digging bar if soil is compacted)  
(5) Use latex gloves, open pre-labeled glass sampling jar to remove soil by hand and place in sampling jar. Fill jar making sure to minimize void spaces within and across the lip of the jar. Close jar and place in pre-cooled cooler.  
(6) Place soil remaining on shovel into opened, pre-labeled, zipper storage bag.  
(7) Scrape additional soil from cleared area, not to exceed 3 inches in depth, to fill storage bag a little over half full when propped open.  
(8) Clear air from storage bag and close--set aside, free from punctures.  
(9) Remove latex gloves, don work gloves and remove soil from cleared area to a depth of approximately 6 inches. (Use digging bar if soil is compacted)  
(10) Repeat steps 5 through 8, not to exceed 9 inches in depth.  
(11) Move to next pre-established sampling point--repeat 3-11.

Surface Point ID	Sub-Depth Point ID	Description	Representative
Fo-1-S	Fo-1-6	Fenceline, 1 of 4 South to North	Sheet flow out of facility
Fo-2-S	Fo-2-6	Fenceline, 2 of 4 South to North	Sheet flow out of facility
Fo-3-S	Fo-3-6	Fenceline, 3 of 4 South to North	Sheet flow out of facility
Fo-4-S	Fo-4-6	Fenceline, 4 of 4 South to North	Up-Gradient Vegetated out of facility
Fi-1-S	Fi-1-6	Fenceline, 1 of 4 South to North	Sheet flow inside facility
Fi-2-S	Fi-2-6	Fenceline, 2 of 4 South to North	Sheet flow inside facility
Fi-3-S	Fi-3-6	Fenceline, 3 of 4 South to North	Sheet flow inside facility
Fi-4-S	Fi-4-6	Fenceline, 4 of 4 South to North	Up-Gradient Vegetated inside facility
P-1-S	P-1-6	Pad surface, NE Quadrant	source
P-2-S	P-2-6	Pad surface, NW Quadrant	source
P-3-S	P-3-6	Pad surface, SW Quadrant	source
P-4-S	P-4-6	Pad surface, SE Quadrant	source
SE-1-S	SE-1-6	Access Culvert Outlet	concentrated flow
SE-2-S	SE-2-6	Access borrow	concentrated flow
SE-3-S	SE-3-6	Discharge from Pad Diversion Dike	concentrated flow

0 30 60 120 180 240 Feet

2011 NAIP Digital Orthophoto

SE1/4, Sec. 11U of Township 34 N,  
Range 09 W, SUL, N.M.P.M.  
La Plata Co., Colorado

WELLHEAD  
LATITUDE (NAD83): 37.201618° N  
LONGITUDE (NAD83): -107.790368° E



NOTE: Data presented in this map has been obtained or modified from data available from many different sources, including data gathered from information held by Prymors Environmental Consulting, Inc. personnel. Outside data sources include the La Plata County GIS Dept., Client, and the NRCS. Political boundaries may change. Drought, precipitation and other natural events cause constant change in vegetation distribution and environmental conditions. As such the information provided in this map is only valid for the time period in which it was obtained and transcribed. Moreover, the information's accuracy, as presented, is only as accurate as the scale from which it was obtained. Care should be taken in interpreting these data. Written documents may accompany this map and should be referenced. The information portrayed on this map should not replace field studies necessary for more localized planning efforts. Data discrepancies may become apparent at scales different than those at which the data was created. The areas portrayed here may be graphic representations of phenomena that are difficult to reduce to two dimensions.

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"Dedicating resources to tomorrow's environment for today's industry."

Sheet No.  
BP\_Hester GU No. 1\_  
HerbSampleMap\_11-1102JP

RECORDING

Drawn By: JPJ

Checked by: JPJ

Date: 02 Nov 2011 Time: 1007 hrs.

North San Juan  
La Plata Co., CO

HESTER GU #1  
Soil and Hebicide Testing Plan Map





75 Suttle Street  
Durango, CO 81303  
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07 November 2011

Milton Williams  
Prymorys Environmental  
PO Box 4470  
Durango, CO 81302  
RE: Hester #1

Enclosed are the results of analyses for samples received by the laboratory on 10/13/11 12:40. The data to follow was performed, in whole or in part, by a subcontract laboratory with an additional report attached.

If you any any further assistance, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads 'Debbie Zufelt'. The script is cursive and fluid, with the first name 'Debbie' and last name 'Zufelt' clearly legible.

Debbie Zufelt  
Reports Manager





Prymors Environmental  
PO Box 4470  
Durango CO, 81302

Project: Hester #1  
Project Name / Number: [none]  
Project Manager: Milton Williams

Reported:  
11/07/11 16:21

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Fo-4-S	1110085-01	Solid	10/12/11 17:13	10/13/11 12:40
Fo-4-6	1110085-02	Solid	10/12/11 17:18	10/13/11 12:40
Fo-3-S	1110085-03	Solid	10/12/11 17:25	10/13/11 12:40
Fo-3-6	1110085-04	Solid	10/12/11 17:25	10/13/11 12:40
Fo-2-S	1110085-05	Solid	10/12/11 17:37	10/13/11 12:40
Fo-2-6	1110085-06	Solid	10/12/11 17:37	10/13/11 12:40
Fo-1-S	1110085-07	Solid	10/12/11 17:49	10/13/11 12:40
Fo-1-6	1110085-08	Solid	10/12/11 17:49	10/13/11 12:40
SE-1-S	1110085-09	Solid	10/12/11 17:59	10/13/11 12:40
SE-1-6	1110085-10	Solid	10/12/11 17:59	10/13/11 12:40
SE-2-S	1110085-11	Solid	10/13/11 10:25	10/13/11 12:40
SE-2-6	1110085-12	Solid	10/13/11 10:25	10/13/11 12:40
SE-3-S	1110085-13	Solid	10/13/11 10:15	10/13/11 12:40
SE-3-6	1110085-14	Solid	10/13/11 10:15	10/13/11 12:40
P-1-S	1110085-15	Solid	10/13/11 10:57	10/13/11 12:40
P-1-6	1110085-16	Solid	10/13/11 10:57	10/13/11 12:40
P-2-S	1110085-17	Solid	10/13/11 11:10	10/13/11 12:40
P-2-6	1110085-18	Solid	10/13/11 11:10	10/13/11 12:40
P-3-S	1110085-19	Solid	10/13/11 11:25	10/13/11 12:40
P-3-6	1110085-20	Solid	10/13/11 11:25	10/13/11 12:40
P-4-S	1110085-21	Solid	10/12/11 10:45	10/13/11 12:40
P-4-6	1110085-22	Solid	10/12/11 10:45	10/13/11 12:40
Fi-1-S	1110085-23	Solid	10/12/11 09:58	10/13/11 12:40
Fi-1-6	1110085-24	Solid	10/12/11 09:58	10/13/11 12:40
Fi-2-S	1110085-25	Solid	10/12/11 09:42	10/13/11 12:40
Fi-2-6	1110085-26	Solid	10/12/11 09:42	10/13/11 12:40
Fi-3-S	1110085-27	Solid	10/12/11 09:30	10/13/11 12:40
Fi-3-6	1110085-28	Solid	10/12/11 09:30	10/13/11 12:40

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Debbie Zufelt, Reports Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



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Prymorys Environmental  
PO Box 4470  
Durango CO, 81302

Project: Hester #1  
Project Name / Number: [none]  
Project Manager: Milton Williams

**Reported:**  
11/07/11 16:21

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Fi-4-S	1110085-29	Solid	10/12/11 09:20	10/13/11 12:40
Fi-4-6	1110085-30	Solid	10/12/11 09:20	10/13/11 12:40

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A handwritten signature in black ink that reads 'Debbie Zufelt'.

Debbie Zufelt, Reports Manager

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Prymorys Environmental  
PO Box 4470  
Durango CO, 81302

Project: Hester #1  
Project Name / Number: [none]  
Project Manager: Milton Williams

**Reported:**  
11/07/11 16:21

**Fo-4-S****1110085-01 (Solid)**

Analyte	Result	Reporting		Units	Dilution	Analyzed	Method	Notes	Analyst
		Limit							

**General Chemistry**

Conductivity	0.728		umhos/cm	1	10/26/11	ASA9			JAW
pH	7.17		pH Units	1	10/26/11	ASA9			JAW
SAR	0.300		[blank]	1	10/27/11	Calculation			JGS

**Dissolved Metals by ICP**

Calcium	119	1.00	mg/kg dry	1	10/27/11	200.7			JGS
Magnesium	24.2	1.00	mg/kg dry	1	10/27/11	200.7			JGS
Sodium	13.9	1.00	mg/kg dry	1	10/27/11	200.7			JGS

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Debbie Zufelt, Reports Manager

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Prymors Environmental  
PO Box 4470  
Durango CO, 81302

Project: Hester #1  
Project Name / Number: [none]  
Project Manager: Milton Williams

**Reported:**  
11/07/11 16:21

**Fo-4-6****1110085-02 (Solid)**

Analyte	Result	Reporting		Units	Dilution	Analyzed	Method	Notes	Analyst
		Limit							

**General Chemistry**

Conductivity	0.702		umhos/cm	1	10/26/11	ASA9		JAW
pH	7.29		pH Units	1	10/26/11	ASA9		JAW
SAR	0.300		[blank]	1	10/27/11	Calculation		JGS

**Dissolved Metals by ICP**

Calcium	119	1.00	mg/kg dry	1	10/27/11	200.7		JGS
Magnesium	22.5	1.00	mg/kg dry	1	10/27/11	200.7		JGS
Sodium	13.7	1.00	mg/kg dry	1	10/27/11	200.7		JGS

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Debbie Zufelt, Reports Manager

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Prymors Environmental  
PO Box 4470  
Durango CO, 81302

Project: Hester #1  
Project Name / Number: [none]  
Project Manager: Milton Williams

Reported:  
11/07/11 16:21

**Fo-3-S****1110085-03 (Solid)**

Analyte	Result	Reporting		Units	Dilution	Analyzed	Method	Notes	Analyst
		Limit							

**General Chemistry**

Conductivity	0.226		umhos/cm	1	10/26/11	ASA9		JAW
pH	6.62		pH Units	1	10/26/11	ASA9		JAW
SAR	0.0700		[blank]	1	10/27/11	Calculation		JGS

**Dissolved Metals by ICP**

Calcium	34.7	1.00	mg/kg dry	1	10/27/11	200.7		JGS
Magnesium	7.06	1.00	mg/kg dry	1	10/27/11	200.7		JGS
Sodium	1.73	1.00	mg/kg dry	1	10/27/11	200.7		JGS

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Prymors Environmental  
PO Box 4470  
Durango CO, 81302

Project: Hester #1  
Project Name / Number: [none]  
Project Manager: Milton Williams

**Reported:**  
11/07/11 16:21

**Fo-3-6****1110085-04 (Solid)**

Analyte	Result	Reporting		Units	Dilution	Analyzed	Method	Notes	Analyst
		Limit							

**General Chemistry**

Conductivity	0.245		umhos/cm	1	10/26/11	ASA9		JAW
pH	7.00		pH Units	1	10/26/11	ASA9		JAW
SAR	0.140		[blank]	1	10/27/11	Calculation		JGS

**Dissolved Metals by ICP**

Calcium	39.1	1.00	mg/kg dry	1	10/27/11	200.7		JGS
Magnesium	7.29	1.00	mg/kg dry	1	10/27/11	200.7		JGS
Sodium	3.63	1.00	mg/kg dry	1	10/27/11	200.7		JGS

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Debbie Zufelt, Reports Manager

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Prymors Environmental  
PO Box 4470  
Durango CO, 81302

Project: Hester #1  
Project Name / Number: [none]  
Project Manager: Milton Williams

**Reported:**  
11/07/11 16:21

**Fo-2-S****1110085-05 (Solid)**

Analyte	Result	Reporting		Units	Dilution	Analyzed	Method	Notes	Analyst
		Limit							

**General Chemistry**

Conductivity	0.428		umhos/cm	1	10/26/11	ASA9		JAW
pH	6.96		pH Units	1	10/26/11	ASA9		JAW
SAR	0.140		[blank]	1	10/27/11	Calculation		JGS

**Dissolved Metals by ICP**

Calcium	66.0	1.00	mg/kg dry	1	10/27/11	200.7		JGS
Magnesium	11.9	1.00	mg/kg dry	1	10/27/11	200.7		JGS
Sodium	4.83	1.00	mg/kg dry	1	10/27/11	200.7		JGS

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Prymors Environmental  
PO Box 4470  
Durango CO, 81302

Project: Hester #1  
Project Name / Number: [none]  
Project Manager: Milton Williams

**Reported:**  
11/07/11 16:21

**Fo-2-6****1110085-06 (Solid)**

Analyte	Result	Reporting		Units	Dilution	Analyzed	Method	Notes	Analyst
		Limit							

**General Chemistry**

Conductivity	0.367		umhos/cm	1	10/26/11	ASA9		JAW
pH	6.81		pH Units	1	10/26/11	ASA9		JAW
SAR	0.220		[blank]	1	10/27/11	Calculation		JGS

**Dissolved Metals by ICP**

Calcium	52.5	1.00	mg/kg dry	1	10/27/11	200.7		JGS
Magnesium	9.68	1.00	mg/kg dry	1	10/27/11	200.7		JGS
Sodium	6.72	1.00	mg/kg dry	1	10/27/11	200.7		JGS

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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Prymors Environmental  
PO Box 4470  
Durango CO, 81302

Project: Hester #1  
Project Name / Number: [none]  
Project Manager: Milton Williams

**Reported:**  
11/07/11 16:21

**Fo-1-S****1110085-07 (Solid)**

Analyte	Result	Reporting		Units	Dilution	Analyzed	Method	Notes	Analyst
		Limit							

**General Chemistry**

Conductivity	0.270		umhos/cm	1	10/26/11	ASA9		JAW
pH	6.82		pH Units	1	10/26/11	ASA9		JAW
SAR	0.160		[blank]	1	10/27/11	Calculation		JGS

**Dissolved Metals by ICP**

Calcium	44.4	1.00	mg/kg dry	1	10/27/11	200.7		JGS
Magnesium	8.21	1.00	mg/kg dry	1	10/27/11	200.7		JGS
Sodium	4.37	1.00	mg/kg dry	1	10/27/11	200.7		JGS

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Prymors Environmental  
PO Box 4470  
Durango CO, 81302

Project: Hester #1  
Project Name / Number: [none]  
Project Manager: Milton Williams

Reported:  
11/07/11 16:21

**Fo-1-6****1110085-08 (Solid)**

Analyte	Result	Reporting		Units	Dilution	Analyzed	Method	Notes	Analyst
		Limit							

**General Chemistry**

Conductivity	0.152		umhos/cm	1	10/26/11	ASA9		JAW
pH	6.92		pH Units	1	10/26/11	ASA9		JAW
SAR	0.190		[blank]	1	10/27/11	Calculation		JGS

**Dissolved Metals by ICP**

Calcium	21.5	1.00	mg/kg dry	1	10/27/11	200.7		JGS
Magnesium	4.51	1.00	mg/kg dry	1	10/27/11	200.7		JGS
Sodium	3.75	1.00	mg/kg dry	1	10/27/11	200.7		JGS

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PO Box 4470  
Durango CO, 81302

Project: Hester #1  
Project Name / Number: [none]  
Project Manager: Milton Williams

Reported:  
11/07/11 16:21

**SE-1-S****1110085-09 (Solid)**

Analyte	Result	Reporting		Units	Dilution	Analyzed	Method	Notes	Analyst
		Limit							

**General Chemistry**

Conductivity	0.285		umhos/cm	1	10/26/11	ASA9		JAW
pH	6.67		pH Units	1	10/26/11	ASA9		JAW
SAR	0.0900		[blank]	1	10/27/11	Calculation		JGS

**Dissolved Metals by ICP**

Calcium	41.6	1.00	mg/kg dry	1	10/27/11	200.7		JGS
Magnesium	7.62	1.00	mg/kg dry	1	10/27/11	200.7		JGS
Sodium	2.42	1.00	mg/kg dry	1	10/27/11	200.7		JGS

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Pymorys Environmental  
PO Box 4470  
Durango CO, 81302

Project: Hester #1  
Project Name / Number: [none]  
Project Manager: Milton Williams

**Reported:**  
11/07/11 16:21

**SE-1-6****1110085-10 (Solid)**

Analyte	Result	Reporting		Units	Dilution	Analyzed	Method	Notes	Analyst
		Limit							

**General Chemistry**

Conductivity	0.276		umhos/cm	1	10/26/11	ASA9			JAW
pH	6.77		pH Units	1	10/26/11	ASA9			JAW
SAR	0.230		[blank]	1	10/27/11	Calculation			JGS

**Dissolved Metals by ICP**

Calcium	34.5	1.00	mg/kg dry	1	10/27/11	200.7			JGS
Magnesium	7.62	1.00	mg/kg dry	1	10/27/11	200.7			JGS
Sodium	5.65	1.00	mg/kg dry	1	10/27/11	200.7			JGS

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Prymors Environmental  
PO Box 4470  
Durango CO, 81302

Project: Hester #1  
Project Name / Number: [none]  
Project Manager: Milton Williams

**Reported:**  
11/07/11 16:21

**SE-2-S****1110085-11 (Solid)**

Analyte	Result	Reporting		Units	Dilution	Analyzed	Method	Notes	Analyst
		Limit							

**General Chemistry**

Conductivity	0.321		umhos/cm	1	10/26/11	ASA9		JAW
pH	7.36		pH Units	1	10/26/11	ASA9		JAW
SAR	0.0900		[blank]	1	10/27/11	Calculation		JGS

**Dissolved Metals by ICP**

Calcium	52.1	1.00	mg/kg dry	1	10/27/11	200.7		JGS
Magnesium	7.76	1.00	mg/kg dry	1	10/27/11	200.7		JGS
Sodium	2.73	1.00	mg/kg dry	1	10/27/11	200.7		JGS

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Durango CO, 81302

Project: Hester #1  
Project Name / Number: [none]  
Project Manager: Milton Williams

Reported:  
11/07/11 16:21

**SE-2-6****1110085-12 (Solid)**

Analyte	Result	Reporting		Units	Dilution	Analyzed	Method	Notes	Analyst
		Limit							

**General Chemistry**

Conductivity	0.189		umhos/cm	1	10/26/11	ASA9		JAW
pH	7.08		pH Units	1	10/26/11	ASA9		JAW
SAR	0.110		[blank]	1	10/27/11	Calculation		JGS

**Dissolved Metals by ICP**

Calcium	29.6	1.00	mg/kg dry	1	10/27/11	200.7		JGS
Magnesium	5.61	1.00	mg/kg dry	1	10/27/11	200.7		JGS
Sodium	2.47	1.00	mg/kg dry	1	10/27/11	200.7		JGS

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Durango CO, 81302

Project: Hester #1  
Project Name / Number: [none]  
Project Manager: Milton Williams

**Reported:**  
11/07/11 16:21

**SE-3-S****1110085-13 (Solid)**

Analyte	Result	Reporting		Units	Dilution	Analyzed	Method	Notes	Analyst
		Limit							

**General Chemistry**

Conductivity	0.377		umhos/cm	1	10/26/11	ASA9			JAW
pH	7.89		pH Units	1	10/26/11	ASA9			JAW
SAR	0.300		[blank]	1	10/27/11	Calculation			JGS

**Dissolved Metals by ICP**

Calcium	57.5	1.00	mg/kg dry	1	10/27/11	200.7			JGS
Magnesium	6.95	1.00	mg/kg dry	1	10/27/11	200.7			JGS
Sodium	9.16	1.00	mg/kg dry	1	10/27/11	200.7			JGS

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Project: Hester #1  
Project Name / Number: [none]  
Project Manager: Milton Williams

Reported:  
11/07/11 16:21

**SE-3-6****1110085-14 (Solid)**

Analyte	Result	Reporting		Units	Dilution	Analyzed	Method	Notes	Analyst
		Limit							

**General Chemistry**

Conductivity	0.211		umhos/cm	1	10/26/11	ASA9		JAW
pH	7.48		pH Units	1	10/26/11	ASA9		JAW
SAR	0.130		[blank]	1	10/27/11	Calculation		JGS

**Dissolved Metals by ICP**

Calcium	33.2	1.00	mg/kg dry	1	10/27/11	200.7		JGS
Magnesium	6.13	1.00	mg/kg dry	1	10/27/11	200.7		JGS
Sodium	3.11	1.00	mg/kg dry	1	10/27/11	200.7		JGS

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Durango CO, 81302

Project: Hester #1  
Project Name / Number: [none]  
Project Manager: Milton Williams

Reported:  
11/07/11 16:21

**P-1-S****1110085-15 (Solid)**

Analyte	Result	Reporting		Units	Dilution	Analyzed	Method	Notes	Analyst
		Limit							

**General Chemistry**

Conductivity	1210		umhos/cm	1	10/26/11	ASA9		JAW
pH	7.87		pH Units	1	10/26/11	ASA9		JAW
SAR	0.580		[blank]	1	10/27/11	Calculation		JGS

**Dissolved Metals by ICP**

Calcium	163	1.00	mg/kg dry	1	10/27/11	200.7		JGS
Magnesium	18.5	1.00	mg/kg dry	1	10/27/11	200.7		JGS
Sodium	29.1	1.00	mg/kg dry	1	10/27/11	200.7		JGS

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Durango CO, 81302

Project: Hester #1  
Project Name / Number: [none]  
Project Manager: Milton Williams

Reported:  
11/07/11 16:21

**P-1-6****1110085-16 (Solid)**

Analyte	Result	Reporting		Units	Dilution	Analyzed	Method	Notes	Analyst
		Limit							

**General Chemistry**

Conductivity	0.424		umhos/cm	1	10/26/11	ASA9		JAW
pH	8.06		pH Units	1	10/26/11	ASA9		JAW
SAR	0.440		[blank]	1	10/27/11	Calculation		JGS

**Dissolved Metals by ICP**

Calcium	51.0	1.00	mg/kg dry	1	10/27/11	200.7		JGS
Magnesium	8.87	1.00	mg/kg dry	1	10/27/11	200.7		JGS
Sodium	12.9	1.00	mg/kg dry	1	10/27/11	200.7		JGS

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Durango CO, 81302

Project: Hester #1  
Project Name / Number: [none]  
Project Manager: Milton Williams

Reported:  
11/07/11 16:21

**P-2-S****1110085-17 (Solid)**

Analyte	Result	Reporting		Units	Dilution	Analyzed	Method	Notes	Analyst
		Limit							

**General Chemistry**

Conductivity	0.580		umhos/cm	1	10/26/11	ASA9		JAW
pH	8.04		pH Units	1	10/26/11	ASA9		JAW
SAR	0.550		[blank]	1	10/27/11	Calculation		JGS

**Dissolved Metals by ICP**

Calcium	73.7	1.00	mg/kg dry	1	10/27/11	200.7		JGS
Magnesium	9.34	1.00	mg/kg dry	1	10/27/11	200.7		JGS
Sodium	18.8	1.00	mg/kg dry	1	10/27/11	200.7		JGS

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Durango CO, 81302

Project: Hester #1  
Project Name / Number: [none]  
Project Manager: Milton Williams

Reported:  
11/07/11 16:21

**P-2-6****1110085-18 (Solid)**

Analyte	Result	Reporting		Units	Dilution	Analyzed	Method	Notes	Analyst
		Limit							

**General Chemistry**

Conductivity	0.307		umhos/cm	1	10/26/11	ASA9		JAW
pH	8.12		pH Units	1	10/26/11	ASA9		JAW
SAR	0.650		[blank]	1	10/27/11	Calculation		JGS

**Dissolved Metals by ICP**

Calcium	31.6	1.00	mg/kg dry	1	10/27/11	200.7		JGS
Magnesium	6.81	1.00	mg/kg dry	1	10/27/11	200.7		JGS
Sodium	15.5	1.00	mg/kg dry	1	10/27/11	200.7		JGS

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PO Box 4470  
Durango CO, 81302

Project: Hester #1  
Project Name / Number: [none]  
Project Manager: Milton Williams

Reported:  
11/07/11 16:21

**P-3-S****1110085-19 (Solid)**

Analyte	Result	Reporting		Units	Dilution	Analyzed	Method	Notes	Analyst
		Limit							

**General Chemistry**

Conductivity	0.583		umhos/cm	1	10/26/11	ASA9		JAW
pH	8.06		pH Units	1	10/26/11	ASA9		JAW
SAR	0.320		[blank]	1	10/27/11	Calculation		JGS

**Dissolved Metals by ICP**

Calcium	80.6	1.00	mg/kg dry	1	10/27/11	200.7		JGS
Magnesium	8.70	1.00	mg/kg dry	1	10/27/11	200.7		JGS
Sodium	11.4	1.00	mg/kg dry	1	10/27/11	200.7		JGS

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Durango CO, 81302

Project: Hester #1  
Project Name / Number: [none]  
Project Manager: Milton Williams

**Reported:**  
11/07/11 16:21

**P-3-6****1110085-20 (Solid)**

Analyte	Result	Reporting		Units	Dilution	Analyzed	Method	Notes	Analyst
		Limit							

**General Chemistry**

Conductivity	0.374		umhos/cm	1	10/26/11	ASA9		JAW
pH	7.76		pH Units	1	10/26/11	ASA9		JAW
SAR	0.450		[blank]	1	10/27/11	Calculation		JGS

**Dissolved Metals by ICP**

Calcium	45.4	1.00	mg/kg dry	1	10/27/11	200.7		JGS
Magnesium	8.02	1.00	mg/kg dry	1	10/27/11	200.7		JGS
Sodium	12.6	1.00	mg/kg dry	1	10/27/11	200.7		JGS

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Durango CO, 81302

Project: Hester #1  
Project Name / Number: [none]  
Project Manager: Milton Williams

Reported:  
11/07/11 16:21

**P-4-S****1110085-21 (Solid)**

Analyte	Result	Reporting		Units	Dilution	Analyzed	Method	Notes	Analyst
		Limit							

**General Chemistry**

Conductivity	1350		umhos/cm	1	10/26/11	ASA9		JAW
pH	8.00		pH Units	1	10/26/11	ASA9		JAW
SAR	1.78		[blank]	1	10/27/11	Calculation		JGS

**Dissolved Metals by ICP**

Calcium	141	1.00	mg/kg dry	1	10/27/11	200.7		JGS
Magnesium	18.6	1.00	mg/kg dry	1	10/27/11	200.7		JGS
Sodium	84.6	1.00	mg/kg dry	1	10/27/11	200.7		JGS

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Durango CO, 81302

Project: Hester #1  
Project Name / Number: [none]  
Project Manager: Milton Williams

Reported:  
11/07/11 16:21

**P-4-6****1110085-22 (Solid)**

Analyte	Result	Reporting		Units	Dilution	Analyzed	Method	Notes	Analyst
		Limit							

**General Chemistry**

Conductivity	0.670		umhos/cm	1	10/26/11	ASA9		JAW
pH	8.02		pH Units	1	10/26/11	ASA9		JAW
SAR	1.74		[blank]	1	10/27/11	Calculation		JGS

**Dissolved Metals by ICP**

Calcium	55.9	1.00	mg/kg dry	1	10/27/11	200.7		JGS
Magnesium	11.3	1.00	mg/kg dry	1	10/27/11	200.7		JGS
Sodium	54.5	1.00	mg/kg dry	1	10/27/11	200.7		JGS

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Durango CO, 81302

Project: Hester #1  
Project Name / Number: [none]  
Project Manager: Milton Williams

Reported:  
11/07/11 16:21

**Fi-1-S****1110085-23 (Solid)**

Analyte	Result	Reporting		Units	Dilution	Analyzed	Method	Notes	Analyst
		Limit							

**General Chemistry**

Conductivity	0.387		umhos/cm	1	10/26/11	ASA9		JAW
pH	6.92		pH Units	1	10/26/11	ASA9		JAW
SAR	0.140		[blank]	1	10/27/11	Calculation		JGS

**Dissolved Metals by ICP**

Calcium	63.2	1.00	mg/kg dry	1	10/27/11	200.7		JGS
Magnesium	11.8	1.00	mg/kg dry	1	10/27/11	200.7		JGS
Sodium	4.72	1.00	mg/kg dry	1	10/27/11	200.7		JGS

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Durango CO, 81302

Project: Hester #1  
Project Name / Number: [none]  
Project Manager: Milton Williams

Reported:  
11/07/11 16:21

**Fi-1-6****1110085-24 (Solid)**

Analyte	Result	Reporting		Units	Dilution	Analyzed	Method	Notes	Analyst
		Limit							

**General Chemistry**

Conductivity	0.166		umhos/cm	1	10/26/11	ASA9			JAW
pH	6.80		pH Units	1	10/26/11	ASA9			JAW
SAR	0.130		[blank]	1	10/27/11	Calculation			JGS

**Dissolved Metals by ICP**

Calcium	26.9	1.00	mg/kg dry	1	10/27/11	200.7			JGS
Magnesium	5.18	1.00	mg/kg dry	1	10/27/11	200.7			JGS
Sodium	2.75	1.00	mg/kg dry	1	10/27/11	200.7			JGS

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Durango CO, 81302

Project: Hester #1  
Project Name / Number: [none]  
Project Manager: Milton Williams

**Reported:**  
11/07/11 16:21

**Fi-2-S****1110085-25 (Solid)**

Analyte	Result	Reporting		Units	Dilution	Analyzed	Method	Notes	Analyst
		Limit							

**General Chemistry**

Conductivity	0.275		umhos/cm	1	10/26/11	ASA9		JAW
pH	6.77		pH Units	1	10/26/11	ASA9		JAW
SAR	0.150		[blank]	1	10/27/11	Calculation		JGS

**Dissolved Metals by ICP**

Calcium	44.2	1.00	mg/kg dry	1	10/27/11	200.7		JGS
Magnesium	7.64	1.00	mg/kg dry	1	10/27/11	200.7		JGS
Sodium	4.11	1.00	mg/kg dry	1	10/27/11	200.7		JGS

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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Prymors Environmental  
PO Box 4470  
Durango CO, 81302

Project: Hester #1  
Project Name / Number: [none]  
Project Manager: Milton Williams

**Reported:**  
11/07/11 16:21

**Fi-2-6****1110085-26 (Solid)**

Analyte	Result	Reporting		Units	Dilution	Analyzed	Method	Notes	Analyst
		Limit							

**General Chemistry**

Conductivity	0.296		umhos/cm	1	10/26/11	ASA9		JAW
pH	6.85		pH Units	1	10/26/11	ASA9		JAW
SAR	0.200		[blank]	1	10/27/11	Calculation		JGS

**Dissolved Metals by ICP**

Calcium	40.6	1.00	mg/kg dry	1	10/27/11	200.7		JGS
Magnesium	7.81	1.00	mg/kg dry	1	10/27/11	200.7		JGS
Sodium	5.40	1.00	mg/kg dry	1	10/27/11	200.7		JGS

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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Prymors Environmental  
PO Box 4470  
Durango CO, 81302

Project: Hester #1  
Project Name / Number: [none]  
Project Manager: Milton Williams

Reported:  
11/07/11 16:21

**Fi-3-S****1110085-27 (Solid)**

Analyte	Result	Reporting		Units	Dilution	Analyzed	Method	Notes	Analyst
		Limit							

**General Chemistry**

Conductivity	0.411		umhos/cm	1	10/26/11	ASA9		JAW
pH	7.14		pH Units	1	10/26/11	ASA9		JAW
SAR	0.0600		[blank]	1	10/27/11	Calculation		JGS

**Dissolved Metals by ICP**

Calcium	65.3	1.00	mg/kg dry	1	10/27/11	200.7		JGS
Magnesium	12.9	1.00	mg/kg dry	1	10/27/11	200.7		JGS
Sodium	2.01	1.00	mg/kg dry	1	10/27/11	200.7		JGS

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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Prymors Environmental  
PO Box 4470  
Durango CO, 81302

Project: Hester #1  
Project Name / Number: [none]  
Project Manager: Milton Williams

**Reported:**  
11/07/11 16:21

**Fi-3-6****1110085-28 (Solid)**

Analyte	Result	Reporting		Units	Dilution	Analyzed	Method	Notes	Analyst
		Limit							

**General Chemistry**

Conductivity	0.278		umhos/cm	1	10/26/11	ASA9		JAW
pH	7.65		pH Units	1	10/26/11	ASA9		JAW
SAR	0.190		[blank]	1	10/27/11	Calculation		JGS

**Dissolved Metals by ICP**

Calcium	40.6	1.00	mg/kg dry	1	10/27/11	200.7		JGS
Magnesium	8.04	1.00	mg/kg dry	1	10/27/11	200.7		JGS
Sodium	5.10	1.00	mg/kg dry	1	10/27/11	200.7		JGS

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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Prymors Environmental  
PO Box 4470  
Durango CO, 81302

Project: Hester #1  
Project Name / Number: [none]  
Project Manager: Milton Williams

**Reported:**  
11/07/11 16:21

**Fi-4-S****1110085-29 (Solid)**

Analyte	Result	Reporting		Units	Dilution	Analyzed	Method	Notes	Analyst
		Limit							

**General Chemistry**

Conductivity	0.510		umhos/cm	1	10/26/11	ASA9		JAW
pH	6.85		pH Units	1	10/26/11	ASA9		JAW
SAR	0.100		[blank]	1	10/27/11	Calculation		JGS

**Dissolved Metals by ICP**

Calcium	78.8	1.00	mg/kg dry	1	10/27/11	200.7		JGS
Magnesium	15.5	1.00	mg/kg dry	1	10/27/11	200.7		JGS
Sodium	3.74	1.00	mg/kg dry	1	10/27/11	200.7		JGS

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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Prymors Environmental  
PO Box 4470  
Durango CO, 81302

Project: Hester #1  
Project Name / Number: [none]  
Project Manager: Milton Williams

**Reported:**  
11/07/11 16:21

**Fi-4-6****1110085-30 (Solid)**

Analyte	Result	Reporting		Units	Dilution	Analyzed	Method	Notes	Analyst
		Limit							

**General Chemistry**

Conductivity	0.327		umhos/cm	1	10/26/11	ASA9		JAW
pH	9.91		pH Units	1	10/26/11	ASA9		JAW
SAR	0.160		[blank]	1	10/27/11	Calculation		JGS

**Dissolved Metals by ICP**

Calcium	51.7	1.00	mg/kg dry	1	10/27/11	200.7		JGS
Magnesium	9.24	1.00	mg/kg dry	1	10/27/11	200.7		JGS
Sodium	4.81	1.00	mg/kg dry	1	10/27/11	200.7		JGS

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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Prymors Environmental  
PO Box 4470  
Durango CO, 81302

Project: Hester #1  
Project Name / Number: [none]  
Project Manager: Milton Williams

Reported:  
11/07/11 16:21

### General Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

#### Batch B110242 - General Prep - Wet Chem

Duplicate (B110242-DUP1)		Source: 1110085-10		Prepared & Analyzed: 10/26/11		
pH	6.88	pH Units	6.77	1.61	20	
Duplicate (B110242-DUP2)		Source: 1110085-20		Prepared & Analyzed: 10/26/11		
pH	7.74	pH Units	7.76	0.258	20	
Duplicate (B110242-DUP3)		Source: 1110085-30		Prepared & Analyzed: 10/26/11		
pH	6.80	pH Units	9.91	37.2	20	

#### Batch B110243 - General Prep - Wet Chem

<b>Duplicate (B110243-DUP1)</b>		<b>Source: 1110085-10</b>		Prepared & Analyzed: 10/26/11	
Conductivity	0.277	umhos/cm	0.276	0.362	20
<b>Duplicate (B110243-DUP2)</b>		<b>Source: 1110085-20</b>		Prepared & Analyzed: 10/26/11	
Conductivity	0.375	umhos/cm	0.374	0.267	20
<b>Duplicate (B110243-DUP3)</b>		<b>Source: 1110085-30</b>		Prepared & Analyzed: 10/26/11	
Conductivity	0.326	umhos/cm	0.327	0.306	20

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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Prymors Environmental  
PO Box 4470  
Durango CO, 81302

Project: Hester #1  
Project Name / Number: [none]  
Project Manager: Milton Williams

Reported:  
11/07/11 16:21

### Dissolved Metals by ICP - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

#### Batch B110227 - Dissolved/Potentially Dissolved Metals

**Duplicate (B110227-DUP1)****Source: 1110085-10**

Prepared &amp; Analyzed: 10/27/11

Calcium	35.0	1.00	mg/kg dry		34.5			1.48	20	
Magnesium	7.83	1.00	mg/kg dry		7.62			2.77	20	
Sodium	5.97	1.00	mg/kg dry		5.65			5.58	20	

**Duplicate (B110227-DUP2)****Source: 1110085-20**

Prepared &amp; Analyzed: 10/27/11

Calcium	45.9	1.00	mg/kg dry		45.4			1.04	20	
Magnesium	8.11	1.00	mg/kg dry		8.02			1.11	20	
Sodium	12.7	1.00	mg/kg dry		12.6			1.24	20	

**Duplicate (B110227-DUP3)****Source: 1110085-30**

Prepared &amp; Analyzed: 10/27/11

Calcium	51.3	1.00	mg/kg dry		51.7			0.871	20	
Magnesium	9.18	1.00	mg/kg dry		9.24			0.665	20	
Sodium	4.73	1.00	mg/kg dry		4.81			1.77	20	

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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Pymorys Environmental  
PO Box 4470  
Durango CO, 81302

Project: Hester #1  
Project Name / Number: [none]  
Project Manager: Milton Williams

**Reported:**  
11/07/11 16:21

### Notes and Definitions

DET Analyte DETECTED  
ND Analyte NOT DETECTED at or above the reporting limit  
NR Not Reported  
dry Sample results reported on a dry weight basis  
\*Results reported on as received basis unless designated as dry.  
RPD Relative Percent Difference  
LCS Laboratory Control Sample (Blank Spike)

Green Analytical Laboratories

A handwritten signature in black ink that reads 'Debbie Zufelt'.

Debbie Zufelt, Reports Manager

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# CHAIN OF CUSTODY RECORD

Page 1 of 3

Client: PEYMORES EXPLOR

## NOTES:

Contact: MILTON WILLIAMS

1) Ensure proper container packaging.

Address: 150 ROCK POINT DRIVE

2) Ship samples promptly following collection.

DR, CO 81301

3) Designate Sample Reject Disposition.

Phone Number: 970 385 4732

PO#

FAX Number:

Project Name: HESTER #1

Samplers Signature:

## Table 1. - Matrix Type

1 = Surface Water, 2 = Ground Water  
3 = Soil/Sediment, 4 = Rinse, 5 = Oil  
6 = Waste, 7 = Other (Specify)

FOR GAL USE ONLY

GAL JOB #

1110-085

Lab Name: Green Analytical Laboratories

(970) 247-4220 FAX (970) 247-4227

Address: 75 Suttle Street, Durango, CO 81303

[www.greenanalytical.com](http://www.greenanalytical.com)

## Analyses Required

CONDUCTIVITY  
PH  
SAR  
HERBICIDES  
*(see attached)*

20.9°C  
Comments

Sample ID	Date	Time	Collected by: (Init.)	Matrix Type From Table 1	No. of Containers	Sample Filtered ? Y/N	Unpreserved (Ice Only)	Preservative(s)					Other (Specify)	Analyses Required				Comments
								HNO3	HCL	H2SO4	NAOH							
01. 15-4-S	10/12	1713	DB	3	2	N	X											
02. 15-4-S		1718					X											
03. 15-3-S		1715					X											
04. 15-3-S		1725					X											
05. 15-2-S		1737					X											
06. 15-2-S		1737					X											
07. 15-1-S		1749					X											
08. 15-1-S		1749					X											
09. 15-1-S		1759					X											
10. 15-1-S		1759					X											

Reinquired by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
Received by: Michael R. Williams Date: 10/13/11 Time: 12:40

\* Sample Reject: [ ] Return [ ] Dispose [ ] Store (30 Days)



Client: PERMANY ENVIRDO

Contact: MILTON WILLIAMS

Address: 150 ROCK HAVEN DRIVE

Phone Number: 970 385 4732

FAX Number:

## CHAIN OF CUSTODY RECORD

### NOTES:

1) Ensure proper container packaging.

2) Ship samples promptly following collection.

3) Designate Sample Reject Disposition.

PO#

Project Name: HESTER #1

Samplers Signature:

Table 1. - Matrix Type

1 = Surface Water, 2 = Ground Water  
3 = Soil/Sediment, 4 = Rinse, 5 = Oil  
6 = Waste, 7 = Other (Specify)

FOR GAL USE ONLY

GAL JOB #

1110-085

Page 2 of 3

Lab Name: Green Analytical Laboratories (970) 247-4220 FAX (970) 247-4227

Address: 75 Suttle Street, Durango, CO 81303 www.greenanalytical.com

### Analyses Required

20.9°C  
Comments

Sample ID	Date	Time	Collected by: (Init.)	Matrix Type From Table 1	No. of Containers	Sample Filtered ? Y/N	Unpreserved (Ice Only)	Preservative(s)					Other (Specify)	Analyses Required					Comments
								HNO3	HCL	H2SO4	NAOH								
1. SE-2-S	10/18	1025	SP5	3	2	N	X							X	X	X	X		
2. SE-2-S		1025												X	X	X	X		
3. SE-3-S		1015												X	X	X	X		
4. SE-3-S		1015												X	X	X	X		
5. P-1-S		1057												X	X	X	X		
6. P-1-S		1057												X	X	X	X		
7. P-2-S		1110												X	X	X	X		
8. P-2-S		1110												X	X	X	X		
9. P-3-S		1125												X	X	X	X		
10. P-3-S		1125												X	X	X	X		
Reinquished by: _____ Date: _____ Time: _____																			
Reinquished by: _____ Date: _____ Time: _____																			



Client: PRYMORS ENVIRO

Contact: MILTON WILLIAMS

Address: 180 ROCK POINT DR STE A

Phone Number: DR0, CO 01301

FAX Number: 970-385-4732

## CHAIN OF CUSTODY RECORD

### NOTES:

- 1) Ensure proper container packaging.
- 2) Ship samples promptly following collection.
- 3) Designate Sample Reject Disposition.

Table 1. - Matrix Type  
1 = Surface Water, 2 = Ground Water  
3 = Soil/Sediment, 4 = Rinseate, 5 = Oil  
6 = Waste, 7 = Other (Specify) \_\_\_\_\_

FOR GAL USE ONLY  
GAL JOB #  
1110-085

Project Name: HESTER #1

Samplers Signature: \_\_\_\_\_

Lab Name: Green Analytical Laboratories (970) 247-4220 FAX (970) 247-4227

Address: 75 Suttle Street, Durango, CO 81303 www.greenanalytical.com

Sample ID	Date	Time	Collected by: (Init.)	Matrix Type From Table 1	No. of Containers	Sample Filtered ? Y/N	Unpreserved (Ice Only)	Preservative(s)					Analyses Required	Comments
								HNO3	HCL	H2SO4	NAOH	Other (Specify)		
21. P-4-S	10/12	1045	TF	3	2	N	X					X	CONDUCTIVITY	20.9°C
22. P-4-S		1045										X	PH	
23. F-1-S		0958										X	SAR	
24. F-1-S		0958										X	HERBICIDE	
25. F-2-S		0942											see attache	
26. F-2-S		0942												
27. F-3-S		0930												
28. F-3-S		0930												
29. F-4-S		0920												
30. F-4-S		0920												

Reinquired by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
Reinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_



## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Denver

4955 Yarrow Street

Arvada, CO 80002

Tel: (303)736-0100

TestAmerica Job ID: 280-21626-1

Client Project/Site: Prymorys - Hester #1

For:

Green Analytical Laboratories

75 Suttle Street

Durango, Colorado 81303

Attn: Jacob Miller



Authorized for release by:

11/4/2011 11:37:39 AM

DiLea Griego

Project Manager I

[dilea.griego@testamericainc.com](mailto:dilea.griego@testamericainc.com)

### LINKS

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results through

TotalAccess

Have a Question?



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[www.testamericainc.com](http://www.testamericainc.com)

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*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

Results relate only to the items tested and the sample(s) as received by the laboratory.

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## Case Narrative

Client: Green Analytical Laboratories  
Project/Site: Prymorys - Hester #1

TestAmerica Job ID: 280-21626-1

**Job ID: 280-21626-1**

**Laboratory: TestAmerica Denver**

### Narrative

#### CASE NARRATIVE

**Client: Green Analytical Laboratories**

**Project: Prymorys - Hester #1**

**Report Number: 280-21626-1**

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

#### RECEIPT

The samples were received on 10/15/2011; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 3.8 C.

#### CHLORINATED HERBICIDES - METHOD 8151A

The continuing calibration verification (CCV) for analytical batch 280-92937 recovered outside acceptance limits for the following analytes as detailed below. Since the associated samples were non-detect or were not detected above the reporting limit, the samples associated with these CCV's were reported from the column that was in control for these analytes. The exception is sample P-1-6 (280-21626-16) which exhibited a detection for Picloram above the reporting limit and was reported from the primary column that was in control.

Analytical sequence: CCV1, LCS 280-91694/2-A, 280-21626-1, -2, -3, -4, -5, -6, CCV2

CCV1	Primary column:	2,4-DB +19.9% and Dinoseb +16.6%
	Confirmation column:	2,4,5-T +24.1%, Dinoseb +19.9% and MCPP +21.4%

CCV2	Primary column:	Dinoseb +30.6% and MCPP +22.9%
	Confirmation column:	2,4,5-T +28.8%, Dichloroprop +39.3%, Dinoseb +42.1%, MCPA +31.1% and Picloram+19.5%

Analytical sequence: CCV2, 280-21626-7, -8, -9, -10, -11, -12, -13, -14, -15, -16, CCV3

CCV2	Primary column:	Dinoseb +30.6% and MCPP +22.9%
	Confirmation column:	2,4,5-T +28.8%, Dichloroprop +39.3%, Dinoseb +42.1%, MCPA +31.1% and Picloram+19.5%

CCV3	Primary column:	Dinoseb +34.0%
	Confirmation column:	Dichloroprop +23.4% and Dinoseb +22.8%

The Continuing Calibration Verification (CCV) standard(s) associated with samples in analysis batch 280-94166 exhibited %Difference (%D) values out of range for the individual peaks used for the quantitation for MCPP and Dinoseb. The overall mean %D is within control limits; therefore, method criteria have been met and corrective action is deemed unnecessary.

Analytical sequence: MB 280-93072/1-A, LCS 280-93072/2-A, LCSD 280-93072/3-A, 280-21626-17, CCV1

CCV1	Primary column:	MCPP +15.5%
	Confirmation column:	All in control

## Case Narrative

Client: Green Analytical Laboratories  
Project/Site: Prymorys - Hester #1

TestAmerica Job ID: 280-21626-1

### Job ID: 280-21626-1 (Continued)

#### Laboratory: TestAmerica Denver (Continued)

Analytical sequence: CCV1, 280-21626-18, -19, -20, -21, -22, -23, -24, -25, -26, -27, CCV2

CCV2    Primary column:        MCPP +17.0%  
         Confirmation column:    Dinoseb +17.8%

The RPD between the primary and confirmation columns exceeded 40% for 2,4-DB and Picloram in multiple samples. In addition, the RPD between the primary and confirmation columns exceeded 40% for Dinoseb and MCPP in sample P-2-S (280-21626-17). The lower of the two values have been reported, as matrix interference is evident. The results in the analytical report have been flagged with "p".

The LCS associated with analysis batch 280-94036 exhibited percent recoveries outside the QC control limits for Dinoseb. Dinoseb has been identified as a poor performing analyte when analyzed using this method; therefore, corrective action is deemed unnecessary. The results have been reported and qualified.

Percent recoveries, RPD data and surrogate recoveries could not be accurately calculated, for the laboratory selected MS/MSD associated with analysis batch 280-94013, because the sample was diluted beyond the ability to quantitate recoveries due to sample matrix. The associated laboratory control sample (LCS) met acceptance criteria.

The matrix spike / matrix spike duplicate (MS/MSD) samples associated with analysis batch 280-94036 were performed on a sample from another job but could not be reported due to data not being recovered and caused by sample matrix interferences. The associated laboratory control sample (LCS) met acceptance criteria.

The matrix spike / matrix spike duplicate (MS/MSD) samples associated with analysis batch 280-94166 were performed on a sample from another job and exhibited recoveries outside control limits for 2,4-DB. In addition, the MSD exhibited recoveries and RPD data outside control limits for Dinoseb. Dinoseb has been identified as a poor performing analyte when analyzed using this method. Method precision and accuracy have been verified by the acceptable LCS/LCSD analysis data; therefore, corrective action is deemed unnecessary.

No other difficulties were encountered.

#### CARBAMATES - METHOD 8321A

Samples SE-1-S (280-21626-9)[2X], P-2-S (280-21626-17)[5X] and P-3-S (280-21626-19)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly. The laboratory noted that all samples contained rocks.

No other difficulties were encountered.

#### PERCENT SOLIDS

No difficulties were encountered.

## Definitions/Glossary

Client: Green Analytical Laboratories  
Project/Site: Prymorys - Hester #1

TestAmerica Job ID: 280-21626-1

### Qualifiers

#### GC Semi VOA

Qualifier	Qualifier Description
D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
E	Result exceeded calibration range.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the control limits

#### LCMS

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

## Detection Summary

Client: Green Analytical Laboratories  
Project/Site: Prymorys - Hester #1

TestAmerica Job ID: 280-21626-1

### Client Sample ID: FO-4-S

### Lab Sample ID: 280-21626-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2,4-DB	12	J p	99	3.5	ug/Kg	1	☼	8151A	Total/NA

### Client Sample ID: FO-4-6

### Lab Sample ID: 280-21626-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2,4-DB	8.1	J p	100	3.5	ug/Kg	1	☼	8151A	Total/NA
Picloram	2.8	J p	13	1.8	ug/Kg	1	☼	8151A	Total/NA

### Client Sample ID: FO-3-S

### Lab Sample ID: 280-21626-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2,4-DB	14	J	94	3.3	ug/Kg	1	☼	8151A	Total/NA
Picloram	3.0	J	12	1.6	ug/Kg	1	☼	8151A	Total/NA

### Client Sample ID: FO-3-6

### Lab Sample ID: 280-21626-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2,4-DB	19	J p	93	3.2	ug/Kg	1	☼	8151A	Total/NA
Picloram	2.1	J p	12	1.6	ug/Kg	1	☼	8151A	Total/NA

### Client Sample ID: FO-2-S

### Lab Sample ID: 280-21626-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2,4-DB	11	J p	95	3.3	ug/Kg	1	☼	8151A	Total/NA
Picloram	2.9	J	12	1.7	ug/Kg	1	☼	8151A	Total/NA

### Client Sample ID: FO-2-6

### Lab Sample ID: 280-21626-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2,4-DB	30	J	93	3.3	ug/Kg	1	☼	8151A	Total/NA
Picloram	2.1	J	12	1.6	ug/Kg	1	☼	8151A	Total/NA

### Client Sample ID: FO-1-S

### Lab Sample ID: 280-21626-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Picloram	2.7	J	13	1.8	ug/Kg	1	☼	8151A	Total/NA
Diuron	40	J	62	16	ug/Kg	1	☼	8321A	Total/NA

### Client Sample ID: FO-1-6

### Lab Sample ID: 280-21626-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Picloram	2.2	J	13	1.8	ug/Kg	1	☼	8151A	Total/NA

### Client Sample ID: SE-1-S

### Lab Sample ID: 280-21626-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2,4,5-T	3.9	J	27	3.2	ug/Kg	1	☼	8151A	Total/NA
2,4-DB	24	J	110	3.8	ug/Kg	1	☼	8151A	Total/NA
Picloram	4.1	J p	14	1.9	ug/Kg	1	☼	8151A	Total/NA
Diuron	710		140	36	ug/Kg	2	☼	8321A	Total/NA

### Client Sample ID: SE-1-6

### Lab Sample ID: 280-21626-10

# Detection Summary

Client: Green Analytical Laboratories  
Project/Site: Prymorys - Hester #1

TestAmerica Job ID: 280-21626-1

## Client Sample ID: SE-1-6 (Continued)

Lab Sample ID: 280-21626-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diuron	28	J	60	16	ug/Kg	1	☼	8321A	Total/NA

## Client Sample ID: SE-2-S

Lab Sample ID: 280-21626-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diuron	220		60	16	ug/Kg	1	☼	8321A	Total/NA

## Client Sample ID: SE-2-6

Lab Sample ID: 280-21626-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Picloram	3.5	J	12	1.7	ug/Kg	1	☼	8151A	Total/NA
Diuron	41	J	61	16	ug/Kg	1	☼	8321A	Total/NA

## Client Sample ID: SE-3-S

Lab Sample ID: 280-21626-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2,4-DB	16	J p	81	2.8	ug/Kg	1	☼	8151A	Total/NA
Picloram	1.7	J p	10	1.4	ug/Kg	1	☼	8151A	Total/NA
Diuron	300		50	13	ug/Kg	1	☼	8321A	Total/NA

## Client Sample ID: SE-3-6

Lab Sample ID: 280-21626-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Picloram	2.9	J p	12	1.7	ug/Kg	1	☼	8151A	Total/NA
Diuron	49	J	57	15	ug/Kg	1	☼	8321A	Total/NA

## Client Sample ID: P-1-S

Lab Sample ID: 280-21626-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2,4,5-T	6.3	J	21	2.4	ug/Kg	1	☼	8151A	Total/NA
2,4-DB	11	J p	84	2.9	ug/Kg	1	☼	8151A	Total/NA
Picloram	18		10	1.5	ug/Kg	1	☼	8151A	Total/NA
Diuron	280		53	14	ug/Kg	1	☼	8321A	Total/NA

## Client Sample ID: P-1-6

Lab Sample ID: 280-21626-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Picloram	7.6	J	10	1.4	ug/Kg	1	☼	8151A	Total/NA

## Client Sample ID: P-2-S

Lab Sample ID: 280-21626-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2,4-D	27	J	82	14	ug/Kg	1	☼	8151A	Total/NA
2,4-DB	33	J p	82	2.9	ug/Kg	1	☼	8151A	Total/NA
Dinoseb	9.8	J p	12	1.4	ug/Kg	1	☼	8151A	Total/NA
Picloram	15		10	1.4	ug/Kg	1	☼	8151A	Total/NA
MCPD	2600	J p	8200	2100	ug/Kg	1	☼	8151A	Total/NA
Diuron	1100		250	64	ug/Kg	5	☼	8321A	Total/NA

## Client Sample ID: P-2-6

Lab Sample ID: 280-21626-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2,4-DB	5.4	J p	87	3.0	ug/Kg	1	☼	8151A	Total/NA

# Detection Summary

Client: Green Analytical Laboratories  
Project/Site: Prymorys - Hester #1

TestAmerica Job ID: 280-21626-1

## Client Sample ID: P-2-6 (Continued)

Lab Sample ID: 280-21626-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dinoseb	2.9	J p	13	1.5	ug/Kg	1	☼	8151A	Total/NA
Picloram	4.1	J	11	1.5	ug/Kg	1	☼	8151A	Total/NA
MCP	2800	J p	8700	2200	ug/Kg	1	☼	8151A	Total/NA

## Client Sample ID: P-3-S

Lab Sample ID: 280-21626-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2,4-D	29	J	82	14	ug/Kg	1	☼	8151A	Total/NA
2,4-DB	14	J p	82	2.9	ug/Kg	1	☼	8151A	Total/NA
Dinoseb	10	J p	12	1.4	ug/Kg	1	☼	8151A	Total/NA
Picloram	3.4	J	10	1.4	ug/Kg	1	☼	8151A	Total/NA
MCP	2700	J p	8200	2000	ug/Kg	1	☼	8151A	Total/NA
Diuron	2000		510	130	ug/Kg	10	☼	8321A	Total/NA

## Client Sample ID: P-3-6

Lab Sample ID: 280-21626-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2,4-DB	5.4	J p	82	2.9	ug/Kg	1	☼	8151A	Total/NA
Dinoseb	1.6	J p	12	1.4	ug/Kg	1	☼	8151A	Total/NA
Diuron	61		51	13	ug/Kg	1	☼	8321A	Total/NA

## Client Sample ID: P-4-S

Lab Sample ID: 280-21626-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2,4-DB	19	J p	82	2.9	ug/Kg	1	☼	8151A	Total/NA
Dinoseb	4.3	J p	12	1.4	ug/Kg	1	☼	8151A	Total/NA
Picloram	9.4	J	10	1.4	ug/Kg	1	☼	8151A	Total/NA
Diuron	100		50	13	ug/Kg	1	☼	8321A	Total/NA

## Client Sample ID: P-4-6

Lab Sample ID: 280-21626-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2,4-DB	11	J p	84	2.9	ug/Kg	1	☼	8151A	Total/NA
Dinoseb	1.9	J p	13	1.5	ug/Kg	1	☼	8151A	Total/NA
Picloram	18		10	1.5	ug/Kg	1	☼	8151A	Total/NA

## Client Sample ID: FI-1-S

Lab Sample ID: 280-21626-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2,4-DB	3.5	J p	100	3.5	ug/Kg	1	☼	8151A	Total/NA
Diuron	180		58	15	ug/Kg	1	☼	8321A	Total/NA

## Client Sample ID: FI-1-6

Lab Sample ID: 280-21626-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2,4-DB	6.9	J	99	3.5	ug/Kg	1	☼	8151A	Total/NA
Diuron	71		58	15	ug/Kg	1	☼	8321A	Total/NA

## Client Sample ID: FI-2-S

Lab Sample ID: 280-21626-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2,4-DB	14	J	95	3.3	ug/Kg	1	☼	8151A	Total/NA
Dinoseb	1.7	J p	14	1.7	ug/Kg	1	☼	8151A	Total/NA

## Detection Summary

Client: Green Analytical Laboratories  
Project/Site: Prymorys - Hester #1

TestAmerica Job ID: 280-21626-1

### Client Sample ID: FI-2-6

### Lab Sample ID: 280-21626-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
2,4-DB	25	J	94	3.3	ug/Kg	1		✱	8151A	Total/NA
Dinoseb	3.4	J p	14	1.7	ug/Kg	1		✱	8151A	Total/NA

### Client Sample ID: FI-3-S

### Lab Sample ID: 280-21626-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
2,4-DB	41	J	92	3.2	ug/Kg	1		✱	8151A	Total/NA

### Client Sample ID: FI-3-6

### Lab Sample ID: 280-21626-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
2,4-DB	11	J	93	3.3	ug/Kg	1		✱	8151A	Total/NA

### Client Sample ID: FI-4-S

### Lab Sample ID: 280-21626-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
2,4-DB	8.3	J p	99	3.5	ug/Kg	1		✱	8151A	Total/NA

### Client Sample ID: FI-4-6

### Lab Sample ID: 280-21626-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
2,4-DB	12	J p	93	3.3	ug/Kg	1		✱	8151A	Total/NA
MCPP	2300	J p	9300	2300	ug/Kg	1		✱	8151A	Total/NA



## Method Summary

Client: Green Analytical Laboratories  
Project/Site: Prymorys - Hester #1

TestAmerica Job ID: 280-21626-1

Method	Method Description	Protocol	Laboratory
8151A	Herbicides (GC)	SW846	TAL DEN
8321A	Carbamates (LC/MS)	SW846	TAL DEN
Moisture	Percent Moisture	EPA	TAL DEN

### Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

### Laboratory References:

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

# Sample Summary

Client: Green Analytical Laboratories  
Project/Site: Prymorys - Hester #1

TestAmerica Job ID: 280-21626-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-21626-1	FO-4-S	Solid	10/12/11 17:13	10/15/11 09:00
280-21626-2	FO-4-6	Solid	10/12/11 17:18	10/15/11 09:00
280-21626-3	FO-3-S	Solid	10/12/11 17:25	10/15/11 09:00
280-21626-4	FO-3-6	Solid	10/12/11 17:25	10/15/11 09:00
280-21626-5	FO-2-S	Solid	10/12/11 17:37	10/15/11 09:00
280-21626-6	FO-2-6	Solid	10/12/11 17:37	10/15/11 09:00
280-21626-7	FO-1-S	Solid	10/12/11 17:49	10/15/11 09:00
280-21626-8	FO-1-6	Solid	10/12/11 17:49	10/15/11 09:00
280-21626-9	SE-1-S	Solid	10/12/11 17:59	10/15/11 09:00
280-21626-10	SE-1-6	Solid	10/12/11 17:59	10/15/11 09:00
280-21626-11	SE-2-S	Solid	10/12/11 10:25	10/15/11 09:00
280-21626-12	SE-2-6	Solid	10/12/11 10:25	10/15/11 09:00
280-21626-13	SE-3-S	Solid	10/12/11 10:15	10/15/11 09:00
280-21626-14	SE-3-6	Solid	10/12/11 10:15	10/15/11 09:00
280-21626-15	P-1-S	Solid	10/12/11 10:57	10/15/11 09:00
280-21626-16	P-1-6	Solid	10/12/11 10:57	10/15/11 09:00
280-21626-17	P-2-S	Solid	10/12/11 11:10	10/15/11 09:00
280-21626-18	P-2-6	Solid	10/12/11 11:10	10/15/11 09:00
280-21626-19	P-3-S	Solid	10/12/11 11:25	10/15/11 09:00
280-21626-20	P-3-6	Solid	10/12/11 11:25	10/15/11 09:00
280-21626-21	P-4-S	Solid	10/12/11 10:45	10/15/11 09:00
280-21626-22	P-4-6	Solid	10/12/11 10:45	10/15/11 09:00
280-21626-23	FI-1-S	Solid	10/12/11 09:58	10/15/11 09:00
280-21626-24	FI-1-6	Solid	10/12/11 09:58	10/15/11 09:00
280-21626-25	FI-2-S	Solid	10/12/11 09:42	10/15/11 09:00
280-21626-26	FI-2-6	Solid	10/12/11 09:42	10/15/11 09:00
280-21626-27	FI-3-S	Solid	10/12/11 09:30	10/15/11 09:00
280-21626-28	FI-3-6	Solid	10/12/11 09:30	10/15/11 09:00
280-21626-29	FI-4-S	Solid	10/12/11 09:20	10/15/11 09:00
280-21626-30	FI-4-6	Solid	10/12/11 09:20	10/15/11 09:00

# Client Sample Results

Client: Green Analytical Laboratories  
Project/Site: Prymorys - Hester #1

TestAmerica Job ID: 280-21626-1

## Method: 8151A - Herbicides (GC)

Client Sample ID: FO-4-S

Date Collected: 10/12/11 17:13

Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-1

Matrix: Solid

Percent Solids: 79.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		25	2.8	ug/Kg	☼	10/18/11 10:40	10/21/11 23:09	1
2,4-D	ND		99	17	ug/Kg	☼	10/18/11 10:40	10/21/11 23:09	1
2,4-DB	12	J p	99	3.5	ug/Kg	☼	10/18/11 10:40	10/21/11 23:09	1
Dalapon	ND		50	1.7	ug/Kg	☼	10/18/11 10:40	10/21/11 23:09	1
Dicamba	ND		50	1.7	ug/Kg	☼	10/18/11 10:40	10/21/11 23:09	1
Dichlorprop	ND		99	4.0	ug/Kg	☼	10/18/11 10:40	10/21/11 23:09	1
Dinoseb	ND		15	1.7	ug/Kg	☼	10/18/11 10:40	10/21/11 23:09	1
MCPA	ND		9900	2500	ug/Kg	☼	10/18/11 10:40	10/21/11 23:09	1
Picloram	ND		12	1.7	ug/Kg	☼	10/18/11 10:40	10/21/11 23:09	1
Silvex (2,4,5-TP)	ND		25	1.7	ug/Kg	☼	10/18/11 10:40	10/21/11 23:09	1
MCPP	ND		9900	2500	ug/Kg	☼	10/18/11 10:40	10/21/11 23:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	72		31 - 105	10/18/11 10:40	10/21/11 23:09	1

Client Sample ID: FO-4-6

Date Collected: 10/12/11 17:18

Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-2

Matrix: Solid

Percent Solids: 77.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		25	2.9	ug/Kg	☼	10/18/11 10:40	10/21/11 23:30	1
2,4-D	ND		100	18	ug/Kg	☼	10/18/11 10:40	10/21/11 23:30	1
2,4-DB	8.1	J p	100	3.5	ug/Kg	☼	10/18/11 10:40	10/21/11 23:30	1
Dalapon	ND		50	1.8	ug/Kg	☼	10/18/11 10:40	10/21/11 23:30	1
Dicamba	ND		50	1.8	ug/Kg	☼	10/18/11 10:40	10/21/11 23:30	1
Dichlorprop	ND		100	4.0	ug/Kg	☼	10/18/11 10:40	10/21/11 23:30	1
Dinoseb	ND		15	1.8	ug/Kg	☼	10/18/11 10:40	10/21/11 23:30	1
MCPA	ND		10000	2500	ug/Kg	☼	10/18/11 10:40	10/21/11 23:30	1
Picloram	2.8	J p	13	1.8	ug/Kg	☼	10/18/11 10:40	10/21/11 23:30	1
Silvex (2,4,5-TP)	ND		25	1.8	ug/Kg	☼	10/18/11 10:40	10/21/11 23:30	1
MCPP	ND		10000	2500	ug/Kg	☼	10/18/11 10:40	10/21/11 23:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	81		31 - 105	10/18/11 10:40	10/21/11 23:30	1

Client Sample ID: FO-3-S

Date Collected: 10/12/11 17:25

Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-3

Matrix: Solid

Percent Solids: 82.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		24	2.7	ug/Kg	☼	10/18/11 10:40	10/21/11 23:51	1
2,4-D	ND		94	16	ug/Kg	☼	10/18/11 10:40	10/21/11 23:51	1
2,4-DB	14	J	94	3.3	ug/Kg	☼	10/18/11 10:40	10/21/11 23:51	1
Dalapon	ND		47	1.6	ug/Kg	☼	10/18/11 10:40	10/21/11 23:51	1
Dicamba	ND		47	1.6	ug/Kg	☼	10/18/11 10:40	10/21/11 23:51	1
Dichlorprop	ND		94	3.8	ug/Kg	☼	10/18/11 10:40	10/21/11 23:51	1
Dinoseb	ND		14	1.6	ug/Kg	☼	10/18/11 10:40	10/21/11 23:51	1
MCPA	ND		9400	2400	ug/Kg	☼	10/18/11 10:40	10/21/11 23:51	1
Picloram	3.0	J	12	1.6	ug/Kg	☼	10/18/11 10:40	10/21/11 23:51	1
Silvex (2,4,5-TP)	ND		24	1.6	ug/Kg	☼	10/18/11 10:40	10/21/11 23:51	1

# Client Sample Results

Client: Green Analytical Laboratories  
Project/Site: Prymorys - Hester #1

TestAmerica Job ID: 280-21626-1

## Method: 8151A - Herbicides (GC) (Continued)

Client Sample ID: FO-3-S  
Date Collected: 10/12/11 17:25  
Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-3  
Matrix: Solid  
Percent Solids: 82.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
MCPP	ND		9400	2400	ug/Kg	☼	10/18/11 10:40	10/21/11 23:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	97		31 - 105				10/18/11 10:40	10/21/11 23:51	1

Client Sample ID: FO-3-6  
Date Collected: 10/12/11 17:25  
Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-4  
Matrix: Solid  
Percent Solids: 83.7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		23	2.7	ug/Kg	☼	10/18/11 10:40	10/22/11 00:12	1
2,4-D	ND		93	16	ug/Kg	☼	10/18/11 10:40	10/22/11 00:12	1
2,4-DB	19	J p	93	3.2	ug/Kg	☼	10/18/11 10:40	10/22/11 00:12	1
Dalapon	ND		46	1.6	ug/Kg	☼	10/18/11 10:40	10/22/11 00:12	1
Dicamba	ND		46	1.6	ug/Kg	☼	10/18/11 10:40	10/22/11 00:12	1
Dichlorprop	ND		93	3.7	ug/Kg	☼	10/18/11 10:40	10/22/11 00:12	1
Dinoseb	ND		14	1.6	ug/Kg	☼	10/18/11 10:40	10/22/11 00:12	1
MCPA	ND		9300	2300	ug/Kg	☼	10/18/11 10:40	10/22/11 00:12	1
Picloram	2.1	J p	12	1.6	ug/Kg	☼	10/18/11 10:40	10/22/11 00:12	1
Silvex (2,4,5-TP)	ND		23	1.6	ug/Kg	☼	10/18/11 10:40	10/22/11 00:12	1
MCPP	ND		9300	2300	ug/Kg	☼	10/18/11 10:40	10/22/11 00:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	102		31 - 105				10/18/11 10:40	10/22/11 00:12	1

Client Sample ID: FO-2-S  
Date Collected: 10/12/11 17:37  
Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-5  
Matrix: Solid  
Percent Solids: 82.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		24	2.7	ug/Kg	☼	10/18/11 10:40	10/22/11 00:33	1
2,4-D	ND		95	17	ug/Kg	☼	10/18/11 10:40	10/22/11 00:33	1
2,4-DB	11	J p	95	3.3	ug/Kg	☼	10/18/11 10:40	10/22/11 00:33	1
Dalapon	ND		48	1.7	ug/Kg	☼	10/18/11 10:40	10/22/11 00:33	1
Dicamba	ND		48	1.7	ug/Kg	☼	10/18/11 10:40	10/22/11 00:33	1
Dichlorprop	ND		95	3.8	ug/Kg	☼	10/18/11 10:40	10/22/11 00:33	1
Dinoseb	ND		14	1.7	ug/Kg	☼	10/18/11 10:40	10/22/11 00:33	1
MCPA	ND		9500	2400	ug/Kg	☼	10/18/11 10:40	10/22/11 00:33	1
Picloram	2.9	J	12	1.7	ug/Kg	☼	10/18/11 10:40	10/22/11 00:33	1
Silvex (2,4,5-TP)	ND		24	1.7	ug/Kg	☼	10/18/11 10:40	10/22/11 00:33	1
MCPP	ND		9500	2400	ug/Kg	☼	10/18/11 10:40	10/22/11 00:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	85		31 - 105				10/18/11 10:40	10/22/11 00:33	1

# Client Sample Results

Client: Green Analytical Laboratories  
Project/Site: Prymorys - Hester #1

TestAmerica Job ID: 280-21626-1

## Method: 8151A - Herbicides (GC)

Client Sample ID: FO-2-6  
Date Collected: 10/12/11 17:37  
Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-6  
Matrix: Solid  
Percent Solids: 85.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		23	2.7	ug/Kg	☼	10/18/11 10:40	10/22/11 00:54	1
2,4-D	ND		93	16	ug/Kg	☼	10/18/11 10:40	10/22/11 00:54	1
2,4-DB	30	J	93	3.3	ug/Kg	☼	10/18/11 10:40	10/22/11 00:54	1
Dalapon	ND		47	1.6	ug/Kg	☼	10/18/11 10:40	10/22/11 00:54	1
Dicamba	ND		47	1.6	ug/Kg	☼	10/18/11 10:40	10/22/11 00:54	1
Dichlorprop	ND		93	3.7	ug/Kg	☼	10/18/11 10:40	10/22/11 00:54	1
Dinoseb	ND		14	1.6	ug/Kg	☼	10/18/11 10:40	10/22/11 00:54	1
MCPA	ND		9300	2300	ug/Kg	☼	10/18/11 10:40	10/22/11 00:54	1
Picloram	2.1	J	12	1.6	ug/Kg	☼	10/18/11 10:40	10/22/11 00:54	1
Silvex (2,4,5-TP)	ND		23	1.6	ug/Kg	☼	10/18/11 10:40	10/22/11 00:54	1
MCPP	ND		9300	2300	ug/Kg	☼	10/18/11 10:40	10/22/11 00:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	83		31 - 105	10/18/11 10:40	10/22/11 00:54	1

Client Sample ID: FO-1-S  
Date Collected: 10/12/11 17:49  
Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-7  
Matrix: Solid  
Percent Solids: 77.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		25	2.9	ug/Kg	☼	10/18/11 10:40	10/22/11 01:36	1
2,4-D	ND		100	18	ug/Kg	☼	10/18/11 10:40	10/22/11 01:36	1
2,4-DB	ND		100	3.5	ug/Kg	☼	10/18/11 10:40	10/22/11 01:36	1
Dalapon	ND		51	1.8	ug/Kg	☼	10/18/11 10:40	10/22/11 01:36	1
Dicamba	ND		51	1.8	ug/Kg	☼	10/18/11 10:40	10/22/11 01:36	1
Dichlorprop	ND		100	4.0	ug/Kg	☼	10/18/11 10:40	10/22/11 01:36	1
Dinoseb	ND		15	1.8	ug/Kg	☼	10/18/11 10:40	10/22/11 01:36	1
MCPA	ND		10000	2500	ug/Kg	☼	10/18/11 10:40	10/22/11 01:36	1
Picloram	2.7	J	13	1.8	ug/Kg	☼	10/18/11 10:40	10/22/11 01:36	1
Silvex (2,4,5-TP)	ND		25	1.8	ug/Kg	☼	10/18/11 10:40	10/22/11 01:36	1
MCPP	ND		10000	2500	ug/Kg	☼	10/18/11 10:40	10/22/11 01:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	65		31 - 105	10/18/11 10:40	10/22/11 01:36	1

Client Sample ID: FO-1-6  
Date Collected: 10/12/11 17:49  
Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-8  
Matrix: Solid  
Percent Solids: 77.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		26	2.9	ug/Kg	☼	10/18/11 10:40	10/22/11 01:57	1
2,4-D	ND		100	18	ug/Kg	☼	10/18/11 10:40	10/22/11 01:57	1
2,4-DB	ND		100	3.6	ug/Kg	☼	10/18/11 10:40	10/22/11 01:57	1
Dalapon	ND		51	1.8	ug/Kg	☼	10/18/11 10:40	10/22/11 01:57	1
Dicamba	ND		51	1.8	ug/Kg	☼	10/18/11 10:40	10/22/11 01:57	1
Dichlorprop	ND		100	4.1	ug/Kg	☼	10/18/11 10:40	10/22/11 01:57	1
Dinoseb	ND		15	1.8	ug/Kg	☼	10/18/11 10:40	10/22/11 01:57	1
MCPA	ND		10000	2600	ug/Kg	☼	10/18/11 10:40	10/22/11 01:57	1
Picloram	2.2	J	13	1.8	ug/Kg	☼	10/18/11 10:40	10/22/11 01:57	1
Silvex (2,4,5-TP)	ND		26	1.8	ug/Kg	☼	10/18/11 10:40	10/22/11 01:57	1

# Client Sample Results

Client: Green Analytical Laboratories  
Project/Site: Prymorys - Hester #1

TestAmerica Job ID: 280-21626-1

## Method: 8151A - Herbicides (GC) (Continued)

Client Sample ID: FO-1-6  
Date Collected: 10/12/11 17:49  
Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-8  
Matrix: Solid  
Percent Solids: 77.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
MCPP	ND		10000	2600	ug/Kg	☼	10/18/11 10:40	10/22/11 01:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	68		31 - 105				10/18/11 10:40	10/22/11 01:57	1

Client Sample ID: SE-1-S  
Date Collected: 10/12/11 17:59  
Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-9  
Matrix: Solid  
Percent Solids: 71.7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	3.9	J	27	3.2	ug/Kg	☼	10/18/11 10:40	10/22/11 02:18	1
2,4-D	ND		110	19	ug/Kg	☼	10/18/11 10:40	10/22/11 02:18	1
2,4-DB	24	J	110	3.8	ug/Kg	☼	10/18/11 10:40	11/01/11 03:19	1
Dalapon	ND		55	1.9	ug/Kg	☼	10/18/11 10:40	10/22/11 02:18	1
Dicamba	ND		55	1.9	ug/Kg	☼	10/18/11 10:40	10/22/11 02:18	1
Dichlorprop	ND		110	4.4	ug/Kg	☼	10/18/11 10:40	10/22/11 02:18	1
Dinoseb	ND		16	1.9	ug/Kg	☼	10/18/11 10:40	10/22/11 02:18	1
MCPA	ND		11000	2700	ug/Kg	☼	10/18/11 10:40	10/22/11 02:18	1
Picloram	4.1	J p	14	1.9	ug/Kg	☼	10/18/11 10:40	10/22/11 02:18	1
Silvex (2,4,5-TP)	ND		27	1.9	ug/Kg	☼	10/18/11 10:40	10/22/11 02:18	1
MCPP	ND		11000	2700	ug/Kg	☼	10/18/11 10:40	10/22/11 02:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	58		31 - 105				10/18/11 10:40	10/22/11 02:18	1
2,4-Dichlorophenylacetic acid	81		31 - 105				10/18/11 10:40	11/01/11 03:19	1

Client Sample ID: SE-1-6  
Date Collected: 10/12/11 17:59  
Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-10  
Matrix: Solid  
Percent Solids: 79.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		25	2.8	ug/Kg	☼	10/18/11 10:40	10/22/11 02:40	1
2,4-D	ND		98	17	ug/Kg	☼	10/18/11 10:40	10/22/11 02:40	1
2,4-DB	ND		98	3.4	ug/Kg	☼	10/18/11 10:40	10/22/11 02:40	1
Dalapon	ND		49	1.7	ug/Kg	☼	10/18/11 10:40	10/22/11 02:40	1
Dicamba	ND		49	1.7	ug/Kg	☼	10/18/11 10:40	10/22/11 02:40	1
Dichlorprop	ND		98	3.9	ug/Kg	☼	10/18/11 10:40	10/22/11 02:40	1
Dinoseb	ND		15	1.7	ug/Kg	☼	10/18/11 10:40	10/22/11 02:40	1
MCPA	ND		9800	2500	ug/Kg	☼	10/18/11 10:40	10/22/11 02:40	1
Picloram	ND		12	1.7	ug/Kg	☼	10/18/11 10:40	10/22/11 02:40	1
Silvex (2,4,5-TP)	ND		25	1.7	ug/Kg	☼	10/18/11 10:40	10/22/11 02:40	1
MCPP	ND		9800	2500	ug/Kg	☼	10/18/11 10:40	10/22/11 02:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	76		31 - 105				10/18/11 10:40	10/22/11 02:40	1

# Client Sample Results

Client: Green Analytical Laboratories  
Project/Site: Prymorys - Hester #1

TestAmerica Job ID: 280-21626-1

## Method: 8151A - Herbicides (GC)

Client Sample ID: SE-2-S  
Date Collected: 10/12/11 10:25  
Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-11  
Matrix: Solid  
Percent Solids: 77.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		25	2.8	ug/Kg	☼	10/18/11 10:40	10/22/11 03:01	1
2,4-D	ND		99	17	ug/Kg	☼	10/18/11 10:40	10/22/11 03:01	1
2,4-DB	ND		99	3.5	ug/Kg	☼	10/18/11 10:40	10/22/11 03:01	1
Dalapon	ND		49	1.7	ug/Kg	☼	10/18/11 10:40	10/22/11 03:01	1
Dicamba	ND		49	1.7	ug/Kg	☼	10/18/11 10:40	10/22/11 03:01	1
Dichlorprop	ND		99	3.9	ug/Kg	☼	10/18/11 10:40	10/22/11 03:01	1
Dinoseb	ND		15	1.7	ug/Kg	☼	10/18/11 10:40	10/22/11 03:01	1
MCPA	ND		9900	2500	ug/Kg	☼	10/18/11 10:40	10/22/11 03:01	1
Picloram	ND		12	1.7	ug/Kg	☼	10/18/11 10:40	10/22/11 03:01	1
Silvex (2,4,5-TP)	ND		25	1.7	ug/Kg	☼	10/18/11 10:40	10/22/11 03:01	1
MCPP	ND		9900	2500	ug/Kg	☼	10/18/11 10:40	10/22/11 03:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	63		31 - 105	10/18/11 10:40	10/22/11 03:01	1

Client Sample ID: SE-2-6  
Date Collected: 10/12/11 10:25  
Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-12  
Matrix: Solid  
Percent Solids: 78.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		25	2.9	ug/Kg	☼	10/18/11 10:40	10/22/11 03:22	1
2,4-D	ND		100	17	ug/Kg	☼	10/18/11 10:40	10/22/11 03:22	1
2,4-DB	ND		100	3.5	ug/Kg	☼	10/18/11 10:40	10/22/11 03:22	1
Dalapon	ND		50	1.7	ug/Kg	☼	10/18/11 10:40	10/22/11 03:22	1
Dicamba	ND		50	1.7	ug/Kg	☼	10/18/11 10:40	10/22/11 03:22	1
Dichlorprop	ND		100	4.0	ug/Kg	☼	10/18/11 10:40	10/22/11 03:22	1
Dinoseb	ND		15	1.7	ug/Kg	☼	10/18/11 10:40	10/22/11 03:22	1
MCPA	ND		10000	2500	ug/Kg	☼	10/18/11 10:40	10/22/11 03:22	1
Picloram	3.5	J	12	1.7	ug/Kg	☼	10/18/11 10:40	10/22/11 03:22	1
Silvex (2,4,5-TP)	ND		25	1.7	ug/Kg	☼	10/18/11 10:40	10/22/11 03:22	1
MCPP	ND		10000	2500	ug/Kg	☼	10/18/11 10:40	10/22/11 03:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	67		31 - 105	10/18/11 10:40	10/22/11 03:22	1

Client Sample ID: SE-3-S  
Date Collected: 10/12/11 10:15  
Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-13  
Matrix: Solid  
Percent Solids: 95.7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		20	2.3	ug/Kg	☼	10/18/11 10:40	10/22/11 03:43	1
2,4-D	ND		81	14	ug/Kg	☼	10/18/11 10:40	10/22/11 03:43	1
2,4-DB	16	J p	81	2.8	ug/Kg	☼	10/18/11 10:40	10/22/11 03:43	1
Dalapon	ND		41	1.4	ug/Kg	☼	10/18/11 10:40	10/22/11 03:43	1
Dicamba	ND		41	1.4	ug/Kg	☼	10/18/11 10:40	10/22/11 03:43	1
Dichlorprop	ND		81	3.2	ug/Kg	☼	10/18/11 10:40	10/22/11 03:43	1
Dinoseb	ND		12	1.4	ug/Kg	☼	10/18/11 10:40	10/22/11 03:43	1
MCPA	ND		8100	2000	ug/Kg	☼	10/18/11 10:40	10/22/11 03:43	1
Picloram	1.7	J p	10	1.4	ug/Kg	☼	10/18/11 10:40	10/22/11 03:43	1
Silvex (2,4,5-TP)	ND		20	1.4	ug/Kg	☼	10/18/11 10:40	10/22/11 03:43	1

# Client Sample Results

Client: Green Analytical Laboratories  
Project/Site: Prymorys - Hester #1

TestAmerica Job ID: 280-21626-1

## Method: 8151A - Herbicides (GC) (Continued)

Client Sample ID: SE-3-S

Date Collected: 10/12/11 10:15

Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-13

Matrix: Solid

Percent Solids: 95.7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
MCP	ND		8100	2000	ug/Kg	☼	10/18/11 10:40	10/22/11 03:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	84		31 - 105				10/18/11 10:40	10/22/11 03:43	1

Client Sample ID: SE-3-6

Date Collected: 10/12/11 10:15

Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-14

Matrix: Solid

Percent Solids: 81.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		24	2.7	ug/Kg	☼	10/18/11 10:40	10/22/11 04:05	1
2,4-D	ND		95	17	ug/Kg	☼	10/18/11 10:40	10/22/11 04:05	1
2,4-DB	ND		95	3.3	ug/Kg	☼	10/18/11 10:40	10/22/11 04:05	1
Dalapon	ND		47	1.7	ug/Kg	☼	10/18/11 10:40	10/22/11 04:05	1
Dicamba	ND		47	1.7	ug/Kg	☼	10/18/11 10:40	10/22/11 04:05	1
Dichlorprop	ND		95	3.8	ug/Kg	☼	10/18/11 10:40	10/22/11 04:05	1
Dinoseb	ND		14	1.7	ug/Kg	☼	10/18/11 10:40	10/22/11 04:05	1
MCPA	ND		9500	2400	ug/Kg	☼	10/18/11 10:40	10/22/11 04:05	1
Picloram	2.9	J p	12	1.7	ug/Kg	☼	10/18/11 10:40	10/22/11 04:05	1
Silvex (2,4,5-TP)	ND		24	1.7	ug/Kg	☼	10/18/11 10:40	10/22/11 04:05	1
MCP	ND		9500	2400	ug/Kg	☼	10/18/11 10:40	10/22/11 04:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	68		31 - 105				10/18/11 10:40	10/22/11 04:05	1

Client Sample ID: P-1-S

Date Collected: 10/12/11 10:57

Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-15

Matrix: Solid

Percent Solids: 94.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	6.3	J	21	2.4	ug/Kg	☼	10/18/11 10:40	10/22/11 04:26	1
2,4-D	ND		84	15	ug/Kg	☼	10/18/11 10:40	10/22/11 04:26	1
2,4-DB	11	J p	84	2.9	ug/Kg	☼	10/18/11 10:40	10/22/11 04:26	1
Dalapon	ND		42	1.5	ug/Kg	☼	10/18/11 10:40	10/22/11 04:26	1
Dicamba	ND		42	1.5	ug/Kg	☼	10/18/11 10:40	10/22/11 04:26	1
Dichlorprop	ND		84	3.3	ug/Kg	☼	10/18/11 10:40	10/22/11 04:26	1
Dinoseb	ND		13	1.5	ug/Kg	☼	10/18/11 10:40	10/22/11 04:26	1
MCPA	ND		8400	2100	ug/Kg	☼	10/18/11 10:40	10/22/11 04:26	1
Picloram	18		10	1.5	ug/Kg	☼	10/18/11 10:40	10/22/11 04:26	1
Silvex (2,4,5-TP)	ND		21	1.5	ug/Kg	☼	10/18/11 10:40	10/22/11 04:26	1
MCP	ND		8400	2100	ug/Kg	☼	10/18/11 10:40	10/22/11 04:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	70		31 - 105				10/18/11 10:40	10/22/11 04:26	1



# Client Sample Results

Client: Green Analytical Laboratories  
Project/Site: Prymorys - Hester #1

TestAmerica Job ID: 280-21626-1

## Method: 8151A - Herbicides (GC)

Client Sample ID: P-1-6  
Date Collected: 10/12/11 10:57  
Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-16  
Matrix: Solid  
Percent Solids: 93.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		21	2.4	ug/Kg	☼	10/18/11 10:40	10/22/11 04:47	1
2,4-D	ND		82	14	ug/Kg	☼	10/18/11 10:40	10/22/11 04:47	1
2,4-DB	ND		82	2.9	ug/Kg	☼	10/18/11 10:40	10/22/11 04:47	1
Dalapon	ND		41	1.4	ug/Kg	☼	10/18/11 10:40	10/22/11 04:47	1
Dicamba	ND		41	1.4	ug/Kg	☼	10/18/11 10:40	10/22/11 04:47	1
Dichlorprop	ND		82	3.3	ug/Kg	☼	10/18/11 10:40	10/22/11 04:47	1
Dinoseb	ND		12	1.4	ug/Kg	☼	10/18/11 10:40	10/22/11 04:47	1
MCPA	ND		8200	2100	ug/Kg	☼	10/18/11 10:40	10/22/11 04:47	1
Picloram	7.6	J	10	1.4	ug/Kg	☼	10/18/11 10:40	10/22/11 04:47	1
Silvex (2,4,5-TP)	ND		21	1.4	ug/Kg	☼	10/18/11 10:40	10/22/11 04:47	1
MCPP	ND		8200	2100	ug/Kg	☼	10/18/11 10:40	10/22/11 04:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	82		31 - 105	10/18/11 10:40	10/22/11 04:47	1

Client Sample ID: P-2-S  
Date Collected: 10/12/11 11:10  
Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-17  
Matrix: Solid  
Percent Solids: 95.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		21	2.4	ug/Kg	☼	10/25/11 23:00	10/31/11 21:55	1
2,4-D	27	J	82	14	ug/Kg	☼	10/25/11 23:00	10/31/11 21:55	1
2,4-DB	33	J p	82	2.9	ug/Kg	☼	10/25/11 23:00	10/31/11 21:55	1
Dalapon	ND		41	1.4	ug/Kg	☼	10/25/11 23:00	10/31/11 21:55	1
Dicamba	ND		41	1.4	ug/Kg	☼	10/25/11 23:00	10/31/11 21:55	1
Dichlorprop	ND		82	3.3	ug/Kg	☼	10/25/11 23:00	10/31/11 21:55	1
Dinoseb	9.8	J p	12	1.4	ug/Kg	☼	10/25/11 23:00	10/31/11 21:55	1
MCPA	ND		8200	2100	ug/Kg	☼	10/25/11 23:00	10/31/11 21:55	1
Picloram	15		10	1.4	ug/Kg	☼	10/25/11 23:00	10/31/11 21:55	1
Silvex (2,4,5-TP)	ND		21	1.4	ug/Kg	☼	10/25/11 23:00	10/31/11 21:55	1
MCPP	2600	J p	8200	2100	ug/Kg	☼	10/25/11 23:00	10/31/11 21:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	89		31 - 105	10/25/11 23:00	10/31/11 21:55	1

Client Sample ID: P-2-6  
Date Collected: 10/12/11 11:10  
Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-18  
Matrix: Solid  
Percent Solids: 91.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		22	2.5	ug/Kg	☼	10/25/11 23:00	10/31/11 22:38	1
2,4-D	ND		87	15	ug/Kg	☼	10/25/11 23:00	10/31/11 22:38	1
2,4-DB	5.4	J p	87	3.0	ug/Kg	☼	10/25/11 23:00	10/31/11 22:38	1
Dalapon	ND		43	1.5	ug/Kg	☼	10/25/11 23:00	10/31/11 22:38	1
Dicamba	ND		43	1.5	ug/Kg	☼	10/25/11 23:00	10/31/11 22:38	1
Dichlorprop	ND		87	3.5	ug/Kg	☼	10/25/11 23:00	10/31/11 22:38	1
Dinoseb	2.9	J p	13	1.5	ug/Kg	☼	10/25/11 23:00	10/31/11 22:38	1
MCPA	ND		8700	2200	ug/Kg	☼	10/25/11 23:00	10/31/11 22:38	1
Picloram	4.1	J	11	1.5	ug/Kg	☼	10/25/11 23:00	10/31/11 22:38	1
Silvex (2,4,5-TP)	ND		22	1.5	ug/Kg	☼	10/25/11 23:00	10/31/11 22:38	1

# Client Sample Results

Client: Green Analytical Laboratories  
Project/Site: Prymorys - Hester #1

TestAmerica Job ID: 280-21626-1

## Method: 8151A - Herbicides (GC) (Continued)

Client Sample ID: P-2-6

Date Collected: 10/12/11 11:10

Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-18

Matrix: Solid

Percent Solids: 91.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
MCPP	2800	J p	8700	2200	ug/Kg	☼	10/25/11 23:00	10/31/11 22:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	72		31 - 105				10/25/11 23:00	10/31/11 22:38	1

Client Sample ID: P-3-S

Date Collected: 10/12/11 11:25

Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-19

Matrix: Solid

Percent Solids: 96.7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		20	2.4	ug/Kg	☼	10/25/11 23:00	10/31/11 23:00	1
2,4-D	29	J	82	14	ug/Kg	☼	10/25/11 23:00	10/31/11 23:00	1
2,4-DB	14	J p	82	2.9	ug/Kg	☼	10/25/11 23:00	10/31/11 23:00	1
Dalapon	ND		41	1.4	ug/Kg	☼	10/25/11 23:00	10/31/11 23:00	1
Dicamba	ND		41	1.4	ug/Kg	☼	10/25/11 23:00	10/31/11 23:00	1
Dichlorprop	ND		82	3.3	ug/Kg	☼	10/25/11 23:00	10/31/11 23:00	1
Dinoseb	10	J p	12	1.4	ug/Kg	☼	10/25/11 23:00	10/31/11 23:00	1
MCPA	ND		8200	2000	ug/Kg	☼	10/25/11 23:00	10/31/11 23:00	1
Picloram	3.4	J	10	1.4	ug/Kg	☼	10/25/11 23:00	10/31/11 23:00	1
Silvex (2,4,5-TP)	ND		20	1.4	ug/Kg	☼	10/25/11 23:00	10/31/11 23:00	1
MCPP	2700	J p	8200	2000	ug/Kg	☼	10/25/11 23:00	10/31/11 23:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	80		31 - 105				10/25/11 23:00	10/31/11 23:00	1

Client Sample ID: P-3-6

Date Collected: 10/12/11 11:25

Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-20

Matrix: Solid

Percent Solids: 94.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		20	2.4	ug/Kg	☼	10/25/11 23:00	10/31/11 23:21	1
2,4-D	ND		82	14	ug/Kg	☼	10/25/11 23:00	10/31/11 23:21	1
2,4-DB	5.4	J p	82	2.9	ug/Kg	☼	10/25/11 23:00	10/31/11 23:21	1
Dalapon	ND		41	1.4	ug/Kg	☼	10/25/11 23:00	10/31/11 23:21	1
Dicamba	ND		41	1.4	ug/Kg	☼	10/25/11 23:00	10/31/11 23:21	1
Dichlorprop	ND		82	3.3	ug/Kg	☼	10/25/11 23:00	10/31/11 23:21	1
Dinoseb	1.6	J p	12	1.4	ug/Kg	☼	10/25/11 23:00	10/31/11 23:21	1
MCPA	ND		8200	2000	ug/Kg	☼	10/25/11 23:00	10/31/11 23:21	1
Picloram	ND		10	1.4	ug/Kg	☼	10/25/11 23:00	10/31/11 23:21	1
Silvex (2,4,5-TP)	ND		20	1.4	ug/Kg	☼	10/25/11 23:00	10/31/11 23:21	1
MCPP	ND		8200	2000	ug/Kg	☼	10/25/11 23:00	10/31/11 23:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	76		31 - 105				10/25/11 23:00	10/31/11 23:21	1

# Client Sample Results

Client: Green Analytical Laboratories  
Project/Site: Prymorys - Hester #1

TestAmerica Job ID: 280-21626-1

## Method: 8151A - Herbicides (GC)

Client Sample ID: P-4-S

Date Collected: 10/12/11 10:45

Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-21

Matrix: Solid

Percent Solids: 96.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		21	2.4	ug/Kg	☼	10/25/11 23:00	10/31/11 23:43	1
2,4-D	ND		82	14	ug/Kg	☼	10/25/11 23:00	10/31/11 23:43	1
2,4-DB	19	J p	82	2.9	ug/Kg	☼	10/25/11 23:00	10/31/11 23:43	1
Dalapon	ND		41	1.4	ug/Kg	☼	10/25/11 23:00	10/31/11 23:43	1
Dicamba	ND		41	1.4	ug/Kg	☼	10/25/11 23:00	10/31/11 23:43	1
Dichlorprop	ND		82	3.3	ug/Kg	☼	10/25/11 23:00	10/31/11 23:43	1
Dinoseb	4.3	J p	12	1.4	ug/Kg	☼	10/25/11 23:00	10/31/11 23:43	1
MCPA	ND		8200	2100	ug/Kg	☼	10/25/11 23:00	10/31/11 23:43	1
Picloram	9.4	J	10	1.4	ug/Kg	☼	10/25/11 23:00	10/31/11 23:43	1
Silvex (2,4,5-TP)	ND		21	1.4	ug/Kg	☼	10/25/11 23:00	10/31/11 23:43	1
MCPP	ND		8200	2100	ug/Kg	☼	10/25/11 23:00	10/31/11 23:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	73		31 - 105	10/25/11 23:00	10/31/11 23:43	1

Client Sample ID: P-4-6

Date Collected: 10/12/11 10:45

Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-22

Matrix: Solid

Percent Solids: 92.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		21	2.4	ug/Kg	☼	10/25/11 23:00	11/01/11 00:05	1
2,4-D	ND		84	15	ug/Kg	☼	10/25/11 23:00	11/01/11 00:05	1
2,4-DB	11	J p	84	2.9	ug/Kg	☼	10/25/11 23:00	11/01/11 00:05	1
Dalapon	ND		42	1.5	ug/Kg	☼	10/25/11 23:00	11/01/11 00:05	1
Dicamba	ND		42	1.5	ug/Kg	☼	10/25/11 23:00	11/01/11 00:05	1
Dichlorprop	ND		84	3.4	ug/Kg	☼	10/25/11 23:00	11/01/11 00:05	1
Dinoseb	1.9	J p	13	1.5	ug/Kg	☼	10/25/11 23:00	11/01/11 00:05	1
MCPA	ND		8400	2100	ug/Kg	☼	10/25/11 23:00	11/01/11 00:05	1
Picloram	18		10	1.5	ug/Kg	☼	10/25/11 23:00	11/01/11 00:05	1
Silvex (2,4,5-TP)	ND		21	1.5	ug/Kg	☼	10/25/11 23:00	11/01/11 00:05	1
MCPP	ND		8400	2100	ug/Kg	☼	10/25/11 23:00	11/01/11 00:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	84		31 - 105	10/25/11 23:00	11/01/11 00:05	1

Client Sample ID: FI-1-S

Date Collected: 10/12/11 09:58

Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-23

Matrix: Solid

Percent Solids: 78.7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		25	2.9	ug/Kg	☼	10/25/11 23:00	11/01/11 00:26	1
2,4-D	ND		100	18	ug/Kg	☼	10/25/11 23:00	11/01/11 00:26	1
2,4-DB	3.5	J p	100	3.5	ug/Kg	☼	10/25/11 23:00	11/01/11 00:26	1
Dalapon	ND		50	1.8	ug/Kg	☼	10/25/11 23:00	11/01/11 00:26	1
Dicamba	ND		50	1.8	ug/Kg	☼	10/25/11 23:00	11/01/11 00:26	1
Dichlorprop	ND		100	4.0	ug/Kg	☼	10/25/11 23:00	11/01/11 00:26	1
Dinoseb	ND		15	1.8	ug/Kg	☼	10/25/11 23:00	11/01/11 00:26	1
MCPA	ND		10000	2500	ug/Kg	☼	10/25/11 23:00	11/01/11 00:26	1
Picloram	ND		13	1.8	ug/Kg	☼	10/25/11 23:00	11/01/11 00:26	1
Silvex (2,4,5-TP)	ND		25	1.8	ug/Kg	☼	10/25/11 23:00	11/01/11 00:26	1

# Client Sample Results

Client: Green Analytical Laboratories  
Project/Site: Prymorys - Hester #1

TestAmerica Job ID: 280-21626-1

## Method: 8151A - Herbicides (GC) (Continued)

Client Sample ID: FI-1-S

Date Collected: 10/12/11 09:58

Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-23

Matrix: Solid

Percent Solids: 78.7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
MCPP	ND		10000	2500	ug/Kg	☼	10/25/11 23:00	11/01/11 00:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	99		31 - 105				10/25/11 23:00	11/01/11 00:26	1

Client Sample ID: FI-1-6

Date Collected: 10/12/11 09:58

Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-24

Matrix: Solid

Percent Solids: 80.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		25	2.8	ug/Kg	☼	10/25/11 23:00	11/01/11 00:48	1
2,4-D	ND		99	17	ug/Kg	☼	10/25/11 23:00	11/01/11 00:48	1
2,4-DB	6.9	J	99	3.5	ug/Kg	☼	10/25/11 23:00	11/01/11 00:48	1
Dalapon	ND		49	1.7	ug/Kg	☼	10/25/11 23:00	11/01/11 00:48	1
Dicamba	ND		49	1.7	ug/Kg	☼	10/25/11 23:00	11/01/11 00:48	1
Dichlorprop	ND		99	4.0	ug/Kg	☼	10/25/11 23:00	11/01/11 00:48	1
Dinoseb	ND		15	1.7	ug/Kg	☼	10/25/11 23:00	11/01/11 00:48	1
MCPA	ND		9900	2500	ug/Kg	☼	10/25/11 23:00	11/01/11 00:48	1
Picloram	ND		12	1.7	ug/Kg	☼	10/25/11 23:00	11/01/11 00:48	1
Silvex (2,4,5-TP)	ND		25	1.7	ug/Kg	☼	10/25/11 23:00	11/01/11 00:48	1
MCPP	ND		9900	2500	ug/Kg	☼	10/25/11 23:00	11/01/11 00:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	94		31 - 105				10/25/11 23:00	11/01/11 00:48	1

Client Sample ID: FI-2-S

Date Collected: 10/12/11 09:42

Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-25

Matrix: Solid

Percent Solids: 81.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		24	2.7	ug/Kg	☼	10/25/11 23:00	11/01/11 01:10	1
2,4-D	ND		95	17	ug/Kg	☼	10/25/11 23:00	11/01/11 01:10	1
2,4-DB	14	J	95	3.3	ug/Kg	☼	10/25/11 23:00	11/01/11 01:10	1
Dalapon	ND		48	1.7	ug/Kg	☼	10/25/11 23:00	11/01/11 01:10	1
Dicamba	ND		48	1.7	ug/Kg	☼	10/25/11 23:00	11/01/11 01:10	1
Dichlorprop	ND		95	3.8	ug/Kg	☼	10/25/11 23:00	11/01/11 01:10	1
Dinoseb	1.7	J p	14	1.7	ug/Kg	☼	10/25/11 23:00	11/01/11 01:10	1
MCPA	ND		9500	2400	ug/Kg	☼	10/25/11 23:00	11/01/11 01:10	1
Picloram	ND		12	1.7	ug/Kg	☼	10/25/11 23:00	11/01/11 01:10	1
Silvex (2,4,5-TP)	ND		24	1.7	ug/Kg	☼	10/25/11 23:00	11/01/11 01:10	1
MCPP	ND		9500	2400	ug/Kg	☼	10/25/11 23:00	11/01/11 01:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	83		31 - 105				10/25/11 23:00	11/01/11 01:10	1

# Client Sample Results

Client: Green Analytical Laboratories  
Project/Site: Prymorys - Hester #1

TestAmerica Job ID: 280-21626-1

## Method: 8151A - Herbicides (GC)

Client Sample ID: FI-2-6

Date Collected: 10/12/11 09:42

Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-26

Matrix: Solid

Percent Solids: 83.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		24	2.7	ug/Kg	☼	10/25/11 23:00	11/01/11 01:31	1
2,4-D	ND		94	17	ug/Kg	☼	10/25/11 23:00	11/01/11 01:31	1
2,4-DB	25	J	94	3.3	ug/Kg	☼	10/25/11 23:00	11/01/11 01:31	1
Dalapon	ND		47	1.7	ug/Kg	☼	10/25/11 23:00	11/01/11 01:31	1
Dicamba	ND		47	1.7	ug/Kg	☼	10/25/11 23:00	11/01/11 01:31	1
Dichlorprop	ND		94	3.8	ug/Kg	☼	10/25/11 23:00	11/01/11 01:31	1
Dinoseb	3.4	J p	14	1.7	ug/Kg	☼	10/25/11 23:00	11/01/11 01:31	1
MCPA	ND		9400	2400	ug/Kg	☼	10/25/11 23:00	11/01/11 01:31	1
Picloram	ND		12	1.7	ug/Kg	☼	10/25/11 23:00	11/01/11 01:31	1
Silvex (2,4,5-TP)	ND		24	1.7	ug/Kg	☼	10/25/11 23:00	11/01/11 01:31	1
MCPP	ND		9400	2400	ug/Kg	☼	10/25/11 23:00	11/01/11 01:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	76		31 - 105	10/25/11 23:00	11/01/11 01:31	1

Client Sample ID: FI-3-S

Date Collected: 10/12/11 09:30

Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-27

Matrix: Solid

Percent Solids: 82.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		23	2.6	ug/Kg	☼	10/25/11 23:00	11/01/11 01:53	1
2,4-D	ND		92	16	ug/Kg	☼	10/25/11 23:00	11/01/11 01:53	1
2,4-DB	41	J	92	3.2	ug/Kg	☼	10/25/11 23:00	11/01/11 01:53	1
Dalapon	ND		46	1.6	ug/Kg	☼	10/25/11 23:00	11/01/11 01:53	1
Dicamba	ND		46	1.6	ug/Kg	☼	10/25/11 23:00	11/01/11 01:53	1
Dichlorprop	ND		92	3.7	ug/Kg	☼	10/25/11 23:00	11/01/11 01:53	1
Dinoseb	ND		14	1.6	ug/Kg	☼	10/25/11 23:00	11/01/11 01:53	1
MCPA	ND		9200	2300	ug/Kg	☼	10/25/11 23:00	11/01/11 01:53	1
Picloram	ND		11	1.6	ug/Kg	☼	10/25/11 23:00	11/01/11 01:53	1
Silvex (2,4,5-TP)	ND		23	1.6	ug/Kg	☼	10/25/11 23:00	11/01/11 01:53	1
MCPP	ND		9200	2300	ug/Kg	☼	10/25/11 23:00	11/01/11 01:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	88		31 - 105	10/25/11 23:00	11/01/11 01:53	1

Client Sample ID: FI-3-6

Date Collected: 10/12/11 09:30

Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-28

Matrix: Solid

Percent Solids: 84.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		23	2.7	ug/Kg	☼	10/20/11 00:00	10/27/11 11:39	1
2,4-D	ND		93	16	ug/Kg	☼	10/20/11 00:00	10/27/11 11:39	1
2,4-DB	11	J	93	3.3	ug/Kg	☼	10/20/11 00:00	10/27/11 11:39	1
Dalapon	ND		47	1.6	ug/Kg	☼	10/20/11 00:00	10/27/11 11:39	1
Dicamba	ND		47	1.6	ug/Kg	☼	10/20/11 00:00	10/27/11 11:39	1
Dichlorprop	ND		93	3.7	ug/Kg	☼	10/20/11 00:00	10/27/11 11:39	1
Dinoseb	ND		14	1.6	ug/Kg	☼	10/20/11 00:00	10/27/11 11:39	1
MCPA	ND		9300	2300	ug/Kg	☼	10/20/11 00:00	10/27/11 11:39	1
Picloram	ND		12	1.6	ug/Kg	☼	10/20/11 00:00	10/27/11 11:39	1
Silvex (2,4,5-TP)	ND		23	1.6	ug/Kg	☼	10/20/11 00:00	10/27/11 11:39	1

# Client Sample Results

Client: Green Analytical Laboratories  
Project/Site: Prymorys - Hester #1

TestAmerica Job ID: 280-21626-1

## Method: 8151A - Herbicides (GC) (Continued)

Client Sample ID: FI-3-6

Date Collected: 10/12/11 09:30

Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-28

Matrix: Solid

Percent Solids: 84.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
MCPP	ND		9300	2300	ug/Kg	☼	10/20/11 00:00	10/27/11 11:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	98		31 - 105				10/20/11 00:00	10/27/11 11:39	1

Client Sample ID: FI-4-S

Date Collected: 10/12/11 09:20

Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-29

Matrix: Solid

Percent Solids: 79.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		25	2.9	ug/Kg	☼	10/20/11 00:00	10/27/11 12:00	1
2,4-D	ND		99	17	ug/Kg	☼	10/20/11 00:00	10/27/11 12:00	1
2,4-DB	8.3	J p	99	3.5	ug/Kg	☼	10/20/11 00:00	10/27/11 12:00	1
Dalapon	ND		50	1.7	ug/Kg	☼	10/20/11 00:00	10/27/11 12:00	1
Dicamba	ND		50	1.7	ug/Kg	☼	10/20/11 00:00	10/27/11 12:00	1
Dichlorprop	ND		99	4.0	ug/Kg	☼	10/20/11 00:00	10/27/11 12:00	1
Dinoseb	ND		15	1.7	ug/Kg	☼	10/20/11 00:00	10/27/11 12:00	1
MCPA	ND		9900	2500	ug/Kg	☼	10/20/11 00:00	10/27/11 12:00	1
Picloram	ND		12	1.7	ug/Kg	☼	10/20/11 00:00	10/27/11 12:00	1
Silvex (2,4,5-TP)	ND		25	1.7	ug/Kg	☼	10/20/11 00:00	10/27/11 12:00	1
MCPP	ND		9900	2500	ug/Kg	☼	10/20/11 00:00	10/27/11 12:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	96		31 - 105				10/20/11 00:00	10/27/11 12:00	1

Client Sample ID: FI-4-6

Date Collected: 10/12/11 09:20

Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-30

Matrix: Solid

Percent Solids: 84.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		23	2.7	ug/Kg	☼	10/20/11 00:00	10/27/11 12:22	1
2,4-D	ND		93	16	ug/Kg	☼	10/20/11 00:00	10/27/11 12:22	1
2,4-DB	12	J p	93	3.3	ug/Kg	☼	10/20/11 00:00	10/27/11 12:22	1
Dalapon	ND		47	1.6	ug/Kg	☼	10/20/11 00:00	10/27/11 12:22	1
Dicamba	ND		47	1.6	ug/Kg	☼	10/20/11 00:00	10/27/11 12:22	1
Dichlorprop	ND		93	3.7	ug/Kg	☼	10/20/11 00:00	10/27/11 12:22	1
Dinoseb	ND		14	1.6	ug/Kg	☼	10/20/11 00:00	10/27/11 12:22	1
MCPA	ND		9300	2300	ug/Kg	☼	10/20/11 00:00	10/27/11 12:22	1
Picloram	ND		12	1.6	ug/Kg	☼	10/20/11 00:00	10/27/11 12:22	1
Silvex (2,4,5-TP)	ND		23	1.6	ug/Kg	☼	10/20/11 00:00	10/27/11 12:22	1
MCPP	2300	J p	9300	2300	ug/Kg	☼	10/20/11 00:00	10/27/11 12:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	103		31 - 105				10/20/11 00:00	10/27/11 12:22	1

# Client Sample Results

Client: Green Analytical Laboratories  
Project/Site: Prymorys - Hester #1

TestAmerica Job ID: 280-21626-1

## Method: 8321A - Carbamates (LC/MS)

Client Sample ID: FO-4-S  
Date Collected: 10/12/11 17:13  
Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-1  
Matrix: Solid  
Percent Solids: 79.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diuron	ND		62	16	ug/Kg	☼	10/18/11 17:10	10/20/11 08:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Diuron-d6	82		50 - 150				10/18/11 17:10	10/20/11 08:51	1

Client Sample ID: FO-4-6  
Date Collected: 10/12/11 17:18  
Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-2  
Matrix: Solid  
Percent Solids: 77.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diuron	ND		62	16	ug/Kg	☼	10/18/11 17:10	10/20/11 09:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Diuron-d6	86		50 - 150				10/18/11 17:10	10/20/11 09:03	1

Client Sample ID: FO-3-S  
Date Collected: 10/12/11 17:25  
Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-3  
Matrix: Solid  
Percent Solids: 82.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diuron	ND		60	16	ug/Kg	☼	10/18/11 17:10	10/20/11 09:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Diuron-d6	92		50 - 150				10/18/11 17:10	10/20/11 09:14	1

Client Sample ID: FO-3-6  
Date Collected: 10/12/11 17:25  
Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-4  
Matrix: Solid  
Percent Solids: 83.7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diuron	ND		59	15	ug/Kg	☼	10/18/11 17:10	10/20/11 09:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Diuron-d6	90		50 - 150				10/18/11 17:10	10/20/11 09:25	1

Client Sample ID: FO-2-S  
Date Collected: 10/12/11 17:37  
Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-5  
Matrix: Solid  
Percent Solids: 82.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diuron	ND		55	14	ug/Kg	☼	10/18/11 17:10	10/20/11 09:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Diuron-d6	83		50 - 150				10/18/11 17:10	10/20/11 09:36	1

Client Sample ID: FO-2-6  
Date Collected: 10/12/11 17:37  
Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-6  
Matrix: Solid  
Percent Solids: 85.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diuron	ND		58	15	ug/Kg	☼	10/18/11 17:10	10/20/11 09:47	1

# Client Sample Results

Client: Green Analytical Laboratories  
Project/Site: Prymorsy - Hester #1

TestAmerica Job ID: 280-21626-1

## Method: 8321A - Carbamates (LC/MS) (Continued)

<div>Surrogate</div>			<div>%Recovery</div>	<div>Qualifier</div>	<div>Limits</div>					<div>Prepared</div>	<div>Analyzed</div>	<div>Dil Fac</div>
Diuron-d6			86		50 - 150					10/18/11 17:10	10/20/11 09:47	1
Client Sample ID: FO-1-S							Lab Sample ID: 280-21626-7					
Date Collected: 10/12/11 17:49							Matrix: Solid					
Date Received: 10/15/11 09:00							Percent Solids: 77.8					
<div>Analyte</div>			<div>Result</div>	<div>Qualifier</div>	<div>RL</div>		<div>MDL</div>	<div>Unit</div>	<div>D</div>	<div>Prepared</div>	<div>Analyzed</div>	<div>Dil Fac</div>
Diuron			40	J	62		16	ug/Kg	☼	10/18/11 17:10	10/20/11 10:10	1
<div>Surrogate</div>			<div>%Recovery</div>	<div>Qualifier</div>	<div>Limits</div>					<div>Prepared</div>	<div>Analyzed</div>	<div>Dil Fac</div>
Diuron-d6			82		50 - 150					10/18/11 17:10	10/20/11 10:10	1
Client Sample ID: FO-1-6							Lab Sample ID: 280-21626-8					
Date Collected: 10/12/11 17:49							Matrix: Solid					
Date Received: 10/15/11 09:00							Percent Solids: 77.8					
<div>Analyte</div>			<div>Result</div>	<div>Qualifier</div>	<div>RL</div>		<div>MDL</div>	<div>Unit</div>	<div>D</div>	<div>Prepared</div>	<div>Analyzed</div>	<div>Dil Fac</div>
Diuron			ND		64		17	ug/Kg	☼	10/18/11 17:10	10/20/11 10:21	1
<div>Surrogate</div>			<div>%Recovery</div>	<div>Qualifier</div>	<div>Limits</div>					<div>Prepared</div>	<div>Analyzed</div>	<div>Dil Fac</div>
Diuron-d6			89		50 - 150					10/18/11 17:10	10/20/11 10:21	1
Client Sample ID: SE-1-S							Lab Sample ID: 280-21626-9					
Date Collected: 10/12/11 17:59							Matrix: Solid					
Date Received: 10/15/11 09:00							Percent Solids: 71.7					
<div>Analyte</div>			<div>Result</div>	<div>Qualifier</div>	<div>RL</div>		<div>MDL</div>	<div>Unit</div>	<div>D</div>	<div>Prepared</div>	<div>Analyzed</div>	<div>Dil Fac</div>
Diuron			710		140		36	ug/Kg	☼	10/18/11 17:10	10/20/11 10:32	2
<div>Surrogate</div>			<div>%Recovery</div>	<div>Qualifier</div>	<div>Limits</div>					<div>Prepared</div>	<div>Analyzed</div>	<div>Dil Fac</div>
Diuron-d6			84		50 - 150					10/18/11 17:10	10/20/11 10:32	2
Client Sample ID: SE-1-6							Lab Sample ID: 280-21626-10					
Date Collected: 10/12/11 17:59							Matrix: Solid					
Date Received: 10/15/11 09:00							Percent Solids: 79.9					
<div>Analyte</div>			<div>Result</div>	<div>Qualifier</div>	<div>RL</div>		<div>MDL</div>	<div>Unit</div>	<div>D</div>	<div>Prepared</div>	<div>Analyzed</div>	<div>Dil Fac</div>
Diuron			28	J	60		16	ug/Kg	☼	10/18/11 17:10	10/20/11 10:44	1
<div>Surrogate</div>			<div>%Recovery</div>	<div>Qualifier</div>	<div>Limits</div>					<div>Prepared</div>	<div>Analyzed</div>	<div>Dil Fac</div>
Diuron-d6			94		50 - 150					10/18/11 17:10	10/20/11 10:44	1
Client Sample ID: SE-2-S							Lab Sample ID: 280-21626-11					
Date Collected: 10/12/11 10:25							Matrix: Solid					
Date Received: 10/15/11 09:00							Percent Solids: 77.6					
<div>Analyte</div>			<div>Result</div>	<div>Qualifier</div>	<div>RL</div>		<div>MDL</div>	<div>Unit</div>	<div>D</div>	<div>Prepared</div>	<div>Analyzed</div>	<div>Dil Fac</div>
Diuron			220		60		16	ug/Kg	☼	10/18/11 17:10	10/20/11 10:55	1
<div>Surrogate</div>			<div>%Recovery</div>	<div>Qualifier</div>	<div>Limits</div>					<div>Prepared</div>	<div>Analyzed</div>	<div>Dil Fac</div>
Diuron-d6			85		50 - 150					10/18/11 17:10	10/20/11 10:55	1



# Client Sample Results

Client: Green Analytical Laboratories  
Project/Site: Prymorys - Hester #1

TestAmerica Job ID: 280-21626-1

## Method: 8321A - Carbamates (LC/MS)

Client Sample ID: SE-2-6  
Date Collected: 10/12/11 10:25  
Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-12  
Matrix: Solid  
Percent Solids: 78.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diuron	41	J	61	16	ug/Kg	☼	10/18/11 17:10	10/20/11 11:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Diuron-d6	93		50 - 150				10/18/11 17:10	10/20/11 11:06	1

Client Sample ID: SE-3-S  
Date Collected: 10/12/11 10:15  
Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-13  
Matrix: Solid  
Percent Solids: 95.7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diuron	300		50	13	ug/Kg	☼	10/18/11 17:10	10/20/11 11:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Diuron-d6	94		50 - 150				10/18/11 17:10	10/20/11 11:17	1

Client Sample ID: SE-3-6  
Date Collected: 10/12/11 10:15  
Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-14  
Matrix: Solid  
Percent Solids: 81.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diuron	49	J	57	15	ug/Kg	☼	10/18/11 17:10	10/20/11 11:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Diuron-d6	92		50 - 150				10/18/11 17:10	10/20/11 11:28	1

Client Sample ID: P-1-S  
Date Collected: 10/12/11 10:57  
Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-15  
Matrix: Solid  
Percent Solids: 94.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diuron	280		53	14	ug/Kg	☼	10/18/11 17:10	10/20/11 11:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Diuron-d6	92		50 - 150				10/18/11 17:10	10/20/11 11:51	1

Client Sample ID: P-1-6  
Date Collected: 10/12/11 10:57  
Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-16  
Matrix: Solid  
Percent Solids: 93.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diuron	ND		49	13	ug/Kg	☼	10/18/11 17:10	10/20/11 12:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Diuron-d6	96		50 - 150				10/18/11 17:10	10/20/11 12:02	1

Client Sample ID: P-2-S  
Date Collected: 10/12/11 11:10  
Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-17  
Matrix: Solid  
Percent Solids: 95.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diuron	1100		250	64	ug/Kg	☼	10/18/11 17:10	10/20/11 12:13	5

# Client Sample Results

Client: Green Analytical Laboratories  
Project/Site: Prymorsy - Hester #1

TestAmerica Job ID: 280-21626-1

## Method: 8321A - Carbamates (LC/MS) (Continued)

<div>Surrogate</div>							<div>%Recovery</div>		<div>Qualifier</div>	<div>Limits</div>			<div>Prepared</div>		<div>Analyzed</div>		<div>Dil Fac</div>		
Diuron-d6							103			50 - 150			10/18/11 17:10		10/20/11 12:13		5		
Client Sample ID: P-2-6													Lab Sample ID: 280-21626-18						
Date Collected: 10/12/11 11:10													Matrix: Solid						
Date Received: 10/15/11 09:00													Percent Solids: 91.1						
<div>Analyte</div>							<div>Result</div>		<div>Qualifier</div>	<div>RL</div>		<div>MDL</div>	<div>Unit</div>	<div>D</div>	<div>Prepared</div>		<div>Analyzed</div>		<div>Dil Fac</div>
Diuron							ND			52		14	ug/Kg	☼	10/18/11 17:10		10/20/11 12:25		1
<div>Surrogate</div>							<div>%Recovery</div>		<div>Qualifier</div>	<div>Limits</div>			<div>Prepared</div>		<div>Analyzed</div>		<div>Dil Fac</div>		
Diuron-d6							100			50 - 150			10/18/11 17:10		10/20/11 12:25		1		
Client Sample ID: P-3-S													Lab Sample ID: 280-21626-19						
Date Collected: 10/12/11 11:25													Matrix: Solid						
Date Received: 10/15/11 09:00													Percent Solids: 96.7						
<div>Analyte</div>							<div>Result</div>		<div>Qualifier</div>	<div>RL</div>		<div>MDL</div>	<div>Unit</div>	<div>D</div>	<div>Prepared</div>		<div>Analyzed</div>		<div>Dil Fac</div>
Diuron							2000			510		130	ug/Kg	☼	10/18/11 17:10		10/20/11 12:36		10
<div>Surrogate</div>							<div>%Recovery</div>		<div>Qualifier</div>	<div>Limits</div>			<div>Prepared</div>		<div>Analyzed</div>		<div>Dil Fac</div>		
Diuron-d6							98			50 - 150			10/18/11 17:10		10/20/11 12:36		10		
Client Sample ID: P-3-6													Lab Sample ID: 280-21626-20						
Date Collected: 10/12/11 11:25													Matrix: Solid						
Date Received: 10/15/11 09:00													Percent Solids: 94.4						
<div>Analyte</div>							<div>Result</div>		<div>Qualifier</div>	<div>RL</div>		<div>MDL</div>	<div>Unit</div>	<div>D</div>	<div>Prepared</div>		<div>Analyzed</div>		<div>Dil Fac</div>
Diuron							61			51		13	ug/Kg	☼	10/18/11 17:10		10/20/11 12:47		1
<div>Surrogate</div>							<div>%Recovery</div>		<div>Qualifier</div>	<div>Limits</div>			<div>Prepared</div>		<div>Analyzed</div>		<div>Dil Fac</div>		
Diuron-d6							99			50 - 150			10/18/11 17:10		10/20/11 12:47		1		
Client Sample ID: P-4-S													Lab Sample ID: 280-21626-21						
Date Collected: 10/12/11 10:45													Matrix: Solid						
Date Received: 10/15/11 09:00													Percent Solids: 96.0						
<div>Analyte</div>							<div>Result</div>		<div>Qualifier</div>	<div>RL</div>		<div>MDL</div>	<div>Unit</div>	<div>D</div>	<div>Prepared</div>		<div>Analyzed</div>		<div>Dil Fac</div>
Diuron							100			50		13	ug/Kg	☼	10/18/11 17:10		10/20/11 13:54		1
<div>Surrogate</div>							<div>%Recovery</div>		<div>Qualifier</div>	<div>Limits</div>			<div>Prepared</div>		<div>Analyzed</div>		<div>Dil Fac</div>		
Diuron-d6							98			50 - 150			10/18/11 17:10		10/20/11 13:54		1		
Client Sample ID: P-4-6													Lab Sample ID: 280-21626-22						
Date Collected: 10/12/11 10:45													Matrix: Solid						
Date Received: 10/15/11 09:00													Percent Solids: 92.1						
<div>Analyte</div>							<div>Result</div>		<div>Qualifier</div>	<div>RL</div>		<div>MDL</div>	<div>Unit</div>	<div>D</div>	<div>Prepared</div>		<div>Analyzed</div>		<div>Dil Fac</div>
Diuron							ND			51		13	ug/Kg	☼	10/18/11 17:10		10/20/11 14:05		1
<div>Surrogate</div>							<div>%Recovery</div>		<div>Qualifier</div>	<div>Limits</div>			<div>Prepared</div>		<div>Analyzed</div>		<div>Dil Fac</div>		
Diuron-d6							98			50 - 150			10/18/11 17:10		10/20/11 14:05		1		

# Client Sample Results

Client: Green Analytical Laboratories  
Project/Site: Prymorys - Hester #1

TestAmerica Job ID: 280-21626-1

## Method: 8321A - Carbamates (LC/MS)

Client Sample ID: FI-1-S  
Date Collected: 10/12/11 09:58  
Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-23  
Matrix: Solid  
Percent Solids: 78.7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diuron	180		58	15	ug/Kg	☼	10/18/11 17:10	10/20/11 14:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Diuron-d6	89		50 - 150				10/18/11 17:10	10/20/11 14:17	1

Client Sample ID: FI-1-6  
Date Collected: 10/12/11 09:58  
Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-24  
Matrix: Solid  
Percent Solids: 80.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diuron	71		58	15	ug/Kg	☼	10/18/11 17:10	10/20/11 14:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Diuron-d6	93		50 - 150				10/18/11 17:10	10/20/11 14:28	1

Client Sample ID: FI-2-S  
Date Collected: 10/12/11 09:42  
Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-25  
Matrix: Solid  
Percent Solids: 81.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diuron	ND		59	15	ug/Kg	☼	10/18/11 17:10	10/20/11 14:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Diuron-d6	91		50 - 150				10/18/11 17:10	10/20/11 14:39	1

Client Sample ID: FI-2-6  
Date Collected: 10/12/11 09:42  
Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-26  
Matrix: Solid  
Percent Solids: 83.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diuron	ND		56	15	ug/Kg	☼	10/18/11 17:10	10/20/11 14:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Diuron-d6	92		50 - 150				10/18/11 17:10	10/20/11 14:50	1

Client Sample ID: FI-3-S  
Date Collected: 10/12/11 09:30  
Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-27  
Matrix: Solid  
Percent Solids: 82.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diuron	ND		57	15	ug/Kg	☼	10/18/11 17:10	10/20/11 15:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Diuron-d6	64		50 - 150				10/18/11 17:10	10/20/11 15:13	1

Client Sample ID: FI-3-6  
Date Collected: 10/12/11 09:30  
Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-28  
Matrix: Solid  
Percent Solids: 84.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diuron	ND		56	15	ug/Kg	☼	10/18/11 17:10	10/20/11 15:24	1

# Client Sample Results

Client: Green Analytical Laboratories  
Project/Site: Prymors - Hester #1

TestAmerica Job ID: 280-21626-1

## Method: 8321A - Carbamates (LC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Diuron-d6	72		50 - 150	10/18/11 17:10	10/20/11 15:24	1

  

Client Sample ID: FI-4-S

Date Collected: 10/12/11 09:20

Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-29

Matrix: Solid

Percent Solids: 79.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diuron	ND		60	16	ug/Kg	☆	10/18/11 17:10	10/20/11 15:35	1

  

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Diuron-d6	64		50 - 150	10/18/11 17:10	10/20/11 15:35	1

  

Client Sample ID: FI-4-6

Date Collected: 10/12/11 09:20

Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-30

Matrix: Solid

Percent Solids: 84.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diuron	ND		59	15	ug/Kg	☆	10/18/11 17:10	10/20/11 15:46	1

  

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Diuron-d6	62		50 - 150	10/18/11 17:10	10/20/11 15:46	1

## General Chemistry

Client Sample ID: FO-4-S

Date Collected: 10/12/11 17:13

Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-1

Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	21		0.10	0.10	%	-		10/17/11 11:28	1

  

Client Sample ID: FO-4-6

Date Collected: 10/12/11 17:18

Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-2

Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	23		0.10	0.10	%	-		10/17/11 11:28	1

  

Client Sample ID: FO-3-S

Date Collected: 10/12/11 17:25

Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-3

Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	18		0.10	0.10	%	-		10/17/11 11:28	1

  

Client Sample ID: FO-3-6

Date Collected: 10/12/11 17:25

Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-4

Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16		0.10	0.10	%	-		10/17/11 11:28	1

# Client Sample Results

Client: Green Analytical Laboratories  
Project/Site: Prymorys - Hester #1

TestAmerica Job ID: 280-21626-1

## General Chemistry

Client Sample ID: FO-2-S  
Date Collected: 10/12/11 17:37  
Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-5  
Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17		0.10	0.10	%			10/17/11 11:28	1

Client Sample ID: FO-2-6  
Date Collected: 10/12/11 17:37  
Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-6  
Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15		0.10	0.10	%			10/17/11 11:28	1

Client Sample ID: FO-1-S  
Date Collected: 10/12/11 17:49  
Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-7  
Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	22		0.10	0.10	%			10/17/11 11:28	1

Client Sample ID: FO-1-6  
Date Collected: 10/12/11 17:49  
Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-8  
Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	22		0.10	0.10	%			10/17/11 11:28	1

Client Sample ID: SE-1-S  
Date Collected: 10/12/11 17:59  
Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-9  
Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	28		0.10	0.10	%			10/17/11 11:28	1

Client Sample ID: SE-1-6  
Date Collected: 10/12/11 17:59  
Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-10  
Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	20		0.10	0.10	%			10/17/11 11:28	1

Client Sample ID: SE-2-S  
Date Collected: 10/12/11 10:25  
Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-11  
Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	22		0.10	0.10	%			10/17/11 11:28	1

Client Sample ID: SE-2-6  
Date Collected: 10/12/11 10:25  
Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-12  
Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	22		0.10	0.10	%			10/17/11 11:28	1

# Client Sample Results

Client: Green Analytical Laboratories  
Project/Site: Prymors - Hester #1

TestAmerica Job ID: 280-21626-1

Client Sample ID: SE-3-S

Date Collected: 10/12/11 10:15

Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-13

Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	4.3		0.10	0.10	%			10/17/11 11:28	1

Client Sample ID: SE-3-6

Date Collected: 10/12/11 10:15

Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-14

Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	19		0.10	0.10	%			10/17/11 11:28	1

Client Sample ID: P-1-S

Date Collected: 10/12/11 10:57

Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-15

Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	5.9		0.10	0.10	%			10/17/11 11:28	1

Client Sample ID: P-1-6

Date Collected: 10/12/11 10:57

Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-16

Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	7.0		0.10	0.10	%			10/17/11 11:28	1

Client Sample ID: P-2-S

Date Collected: 10/12/11 11:10

Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-17

Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	4.5		0.10	0.10	%			10/17/11 11:28	1

Client Sample ID: P-2-6

Date Collected: 10/12/11 11:10

Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-18

Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	8.9		0.10	0.10	%			10/17/11 11:28	1

Client Sample ID: P-3-S

Date Collected: 10/12/11 11:25

Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-19

Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	3.3		0.10	0.10	%			10/17/11 11:28	1

Client Sample ID: P-3-6

Date Collected: 10/12/11 11:25

Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-20

Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	5.6		0.10	0.10	%			10/17/11 11:28	1

# Client Sample Results

Client: Green Analytical Laboratories  
Project/Site: Prymorys - Hester #1

TestAmerica Job ID: 280-21626-1

## General Chemistry

Client Sample ID: P-4-S  
Date Collected: 10/12/11 10:45  
Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-21  
Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	4.0		0.10	0.10	%			10/17/11 11:28	1

Client Sample ID: P-4-6  
Date Collected: 10/12/11 10:45  
Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-22  
Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	7.9		0.10	0.10	%			10/17/11 11:28	1

Client Sample ID: FI-1-S  
Date Collected: 10/12/11 09:58  
Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-23  
Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	21		0.10	0.10	%			10/17/11 11:28	1

Client Sample ID: FI-1-6  
Date Collected: 10/12/11 09:58  
Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-24  
Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	20		0.10	0.10	%			10/17/11 11:28	1

Client Sample ID: FI-2-S  
Date Collected: 10/12/11 09:42  
Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-25  
Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	18		0.10	0.10	%			10/17/11 11:28	1

Client Sample ID: FI-2-6  
Date Collected: 10/12/11 09:42  
Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-26  
Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17		0.10	0.10	%			10/17/11 11:28	1

Client Sample ID: FI-3-S  
Date Collected: 10/12/11 09:30  
Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-27  
Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17		0.10	0.10	%			10/17/11 11:28	1

Client Sample ID: FI-3-6  
Date Collected: 10/12/11 09:30  
Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-28  
Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15		0.10	0.10	%			10/17/11 11:28	1

## Client Sample Results

Client: Green Analytical Laboratories  
Project/Site: Prymorys - Hester #1

TestAmerica Job ID: 280-21626-1

Client Sample ID: FI-4-S  
Date Collected: 10/12/11 09:20  
Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-29  
Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	20		0.10	0.10	%			10/17/11 11:28	1

Client Sample ID: FI-4-6  
Date Collected: 10/12/11 09:20  
Date Received: 10/15/11 09:00

Lab Sample ID: 280-21626-30  
Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16		0.10	0.10	%			10/17/11 11:28	1



# QC Sample Results

Client: Green Analytical Laboratories  
Project/Site: Prymorys - Hester #1

TestAmerica Job ID: 280-21626-1

## Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 280-91694/1-A

Matrix: Solid

Analysis Batch: 92937

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 91694

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		19	2.2	ug/Kg		10/18/11 10:40	10/22/11 05:30	1
2,4-D	ND		76	13	ug/Kg		10/18/11 10:40	10/22/11 05:30	1
2,4-DB	ND		76	2.7	ug/Kg		10/18/11 10:40	10/22/11 05:30	1
Dalapon	ND		38	1.3	ug/Kg		10/18/11 10:40	10/22/11 05:30	1
Dicamba	ND		38	1.3	ug/Kg		10/18/11 10:40	10/22/11 05:30	1
Dichlorprop	ND		76	3.1	ug/Kg		10/18/11 10:40	10/22/11 05:30	1
Dinoseb	ND		11	1.3	ug/Kg		10/18/11 10:40	10/22/11 05:30	1
MCPA	ND		7600	1900	ug/Kg		10/18/11 10:40	10/22/11 05:30	1
Picloram	ND		9.6	1.3	ug/Kg		10/18/11 10:40	10/22/11 05:30	1
Silvex (2,4,5-TP)	ND		19	1.3	ug/Kg		10/18/11 10:40	10/22/11 05:30	1
MCPD	ND		7600	1900	ug/Kg		10/18/11 10:40	10/22/11 05:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	42		31 - 105	10/18/11 10:40	10/22/11 05:30	1

Lab Sample ID: LCS 280-91694/2-A

Matrix: Solid

Analysis Batch: 92937

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 91694

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-T	91.3	70.9		ug/Kg		78	24 - 115
2,4-D	87.5	75.6	J	ug/Kg		86	32 - 115
2,4-DB	95.1	54.5	J	ug/Kg		57	37 - 119
Dalapon	98.9	69.7		ug/Kg		71	11 - 115
Dicamba	87.5	64.8		ug/Kg		74	11 - 115
Dichlorprop	87.5	58.5	J	ug/Kg		67	35 - 115
Dinoseb	87.5	11.9		ug/Kg		14	5 - 166
MCPA	8860	5580	J	ug/Kg		63	37 - 115
Silvex (2,4,5-TP)	87.5	70.6		ug/Kg		81	53 - 134
MCPD	8870	7200	J	ug/Kg		81	48 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid	73		31 - 105

Lab Sample ID: 280-21590-D-1-B MS

Matrix: Solid

Analysis Batch: 94013

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 91694

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-T	290		644	615	J D	ug/Kg	☼	51	24 - 115
2,4-D	ND		617	1460	J D	ug/Kg	☼	NC	32 - 115
2,4-DB	410		671	210000	D E	ug/Kg	☼	31222	37 - 119
Dalapon	ND		698	666	J D	ug/Kg	☼	95	11 - 115
Dicamba	ND		617	ND	D	ug/Kg	☼	0	11 - 115
Dichlorprop	250		617	1910	J D	ug/Kg	☼	269	35 - 115
Dinoseb	540		617	1320	D	ug/Kg	☼	127	5 - 166
MCPA	ND		62500	306000	J D	ug/Kg	☼	NC	37 - 115
Silvex (2,4,5-TP)	ND		617	1550	D	ug/Kg	☼	250	53 - 134
MCPD	440000		62600	200000	J D 4	ug/Kg	☼	-381	48 - 132

# QC Sample Results

Client: Green Analytical Laboratories  
Project/Site: Prymors - Hester #1

TestAmerica Job ID: 280-21626-1

## Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: 280-21590-D-1-B MS

Matrix: Solid

Analysis Batch: 94013

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 91694

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4-Dichlorophenylacetic acid	259	D	31 - 105

Lab Sample ID: 280-21590-D-1-C MSD

Matrix: Solid

Analysis Batch: 94013

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 91694

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-T	290		648	562	J D	ug/Kg	☼	42	24 - 115	9	40
2,4-D	ND		621	1170	J D	ug/Kg	☼	NC	32 - 115	22	40
2,4-DB	410		675	167000	D E	ug/Kg	☼	24708	37 - 119	23	50
Dalapon	ND		703	433	J D	ug/Kg	☼	62	11 - 115	42	50
Dicamba	ND		621	182	J D	ug/Kg	☼	29	11 - 115	NC	50
Dichlorprop	250		621	993	J D	ug/Kg	☼	120	35 - 115	63	50
Dinoseb	540		621	1150	D	ug/Kg	☼	99	5 - 166	14	50
MCPA	ND		63000	279000	J D	ug/Kg	☼	NC	37 - 115	9	50
Silvex (2,4,5-TP)	ND		621	1420	D	ug/Kg	☼	229	53 - 134	9	40
MCPD	440000		63000	198000	J D 4	ug/Kg	☼	-382	48 - 132	1	50

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4-Dichlorophenylacetic acid	263	D	31 - 105

Lab Sample ID: MB 280-92115/1-A

Matrix: Solid

Analysis Batch: 94036

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92115

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		20	2.3	ug/Kg		10/20/11 00:00	10/27/11 10:55	1
2,4-D	ND		80	14	ug/Kg		10/20/11 00:00	10/27/11 10:55	1
2,4-DB	ND		80	2.8	ug/Kg		10/20/11 00:00	10/27/11 10:55	1
Dalapon	ND		40	1.4	ug/Kg		10/20/11 00:00	10/27/11 10:55	1
Dicamba	ND		40	1.4	ug/Kg		10/20/11 00:00	10/27/11 10:55	1
Dichlorprop	ND		80	3.2	ug/Kg		10/20/11 00:00	10/27/11 10:55	1
Dinoseb	ND		12	1.4	ug/Kg		10/20/11 00:00	10/27/11 10:55	1
MCPA	ND		8000	2000	ug/Kg		10/20/11 00:00	10/27/11 10:55	1
Picloram	ND		10	1.4	ug/Kg		10/20/11 00:00	10/27/11 10:55	1
Silvex (2,4,5-TP)	ND		20	1.4	ug/Kg		10/20/11 00:00	10/27/11 10:55	1
MCPD	ND		8000	2000	ug/Kg		10/20/11 00:00	10/27/11 10:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	83		31 - 105	10/20/11 00:00	10/27/11 10:55	1

Lab Sample ID: LCS 280-92115/2-A

Matrix: Solid

Analysis Batch: 94036

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 92115

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-T	95.2	74.6		ug/Kg		78	24 - 115
2,4-D	91.3	80.6		ug/Kg		88	32 - 115
2,4-DB	99.2	57.9	J	ug/Kg		58	37 - 119

# QC Sample Results

Client: Green Analytical Laboratories  
Project/Site: Prymors - Hester #1

TestAmerica Job ID: 280-21626-1

## Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCS 280-92115/2-A

Matrix: Solid

Analysis Batch: 94036

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 92115

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dalapon	103	71.4		ug/Kg		69	11 - 115
Dicamba	91.3	68.5		ug/Kg		75	11 - 115
Dichlorprop	91.3	68.9	J	ug/Kg		76	35 - 115
Dinoseb	91.3	5.03	J	ug/Kg		6	5 - 166
MCPA	9250	5850	J	ug/Kg		63	37 - 115
Silvex (2,4,5-TP)	91.3	74.4		ug/Kg		82	53 - 134
MCPD	9260	6560	J	ug/Kg		71	48 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid	79		31 - 105

Lab Sample ID: MB 280-93072/1-A

Matrix: Solid

Analysis Batch: 94166

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 93072

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		20	2.3	ug/Kg		10/25/11 23:00	10/31/11 18:42	1
2,4-D	ND		80	14	ug/Kg		10/25/11 23:00	10/31/11 18:42	1
2,4-DB	ND		80	2.8	ug/Kg		10/25/11 23:00	10/31/11 18:42	1
Dalapon	ND		40	1.4	ug/Kg		10/25/11 23:00	10/31/11 18:42	1
Dicamba	ND		40	1.4	ug/Kg		10/25/11 23:00	10/31/11 18:42	1
Dichlorprop	ND		80	3.2	ug/Kg		10/25/11 23:00	10/31/11 18:42	1
Dinoseb	ND		12	1.4	ug/Kg		10/25/11 23:00	10/31/11 18:42	1
MCPA	ND		8000	2000	ug/Kg		10/25/11 23:00	10/31/11 18:42	1
Picloram	ND		10	1.4	ug/Kg		10/25/11 23:00	10/31/11 18:42	1
Silvex (2,4,5-TP)	ND		20	1.4	ug/Kg		10/25/11 23:00	10/31/11 18:42	1
MCPD	ND		8000	2000	ug/Kg		10/25/11 23:00	10/31/11 18:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	67		31 - 105	10/25/11 23:00	10/31/11 18:42	1

Lab Sample ID: LCS 280-93072/2-A

Matrix: Solid

Analysis Batch: 94166

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 93072

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-T	92.1	83.3		ug/Kg		90	24 - 115
2,4-D	88.3	94.5		ug/Kg		107	32 - 115
2,4-DB	96.0	68.4	J	ug/Kg		71	37 - 119
Dalapon	99.8	81.6		ug/Kg		82	11 - 115
Dicamba	88.3	82.5		ug/Kg		93	11 - 115
Dichlorprop	88.3	80.7		ug/Kg		91	35 - 115
Dinoseb	88.3	11.5	J	ug/Kg		13	5 - 166
MCPA	8940	8190		ug/Kg		92	37 - 115
Silvex (2,4,5-TP)	88.3	84.7		ug/Kg		96	53 - 134
MCPD	8960	9070		ug/Kg		101	48 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid	86		31 - 105

# QC Sample Results

Client: Green Analytical Laboratories  
Project/Site: Prymorys - Hester #1

TestAmerica Job ID: 280-21626-1

## Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCSD 280-93072/3-A

Matrix: Solid

Analysis Batch: 94166

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 93072

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-T	95.0	71.2		ug/Kg		75	24 - 115	16	40
2,4-D	91.1	81.6		ug/Kg		90	32 - 115	15	40
2,4-DB	99.0	56.9	J	ug/Kg		57	37 - 119	18	50
Dalapon	103	66.2		ug/Kg		64	11 - 115	21	50
Dicamba	91.1	70.7		ug/Kg		78	11 - 115	16	50
Dichlorprop	91.1	68.2	J	ug/Kg		75	35 - 115	17	50
Dinoseb	91.1	10.4	J	ug/Kg		11	5 - 166	10	50
MCPA	9230	6840	J	ug/Kg		74	37 - 115	18	50
Silvex (2,4,5-TP)	91.1	73.0		ug/Kg		80	53 - 134	15	40
MCPD	9240	7610	J	ug/Kg		82	48 - 132	17	50

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4-Dichlorophenylacetic acid	70		31 - 105

Lab Sample ID: 280-21661-C-1-G MS

Matrix: Solid

Analysis Batch: 94166

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 93072

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-T	2.5		91.6	74.5		ug/Kg		79	24 - 115
2,4-D	ND		87.8	82.8		ug/Kg		94	32 - 115
2,4-DB	ND		95.4	29.7	J F	ug/Kg		31	37 - 119
Dalapon	ND		99.2	85.0		ug/Kg		86	11 - 115
Dicamba	ND		87.8	77.2		ug/Kg		88	11 - 115
Dichlorprop	ND		87.8	86.8		ug/Kg		99	35 - 115
Dinoseb	9.8		87.8	33.6		ug/Kg		27	5 - 166
MCPA	2600		8890	7880		ug/Kg		60	37 - 115
Silvex (2,4,5-TP)	ND		87.8	81.7		ug/Kg		93	53 - 134
MCPD	5700		8900	12600		ug/Kg		77	48 - 132

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4-Dichlorophenylacetic acid	98		31 - 105

Lab Sample ID: 280-21661-C-1-H MSD

Matrix: Solid

Analysis Batch: 94166

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 93072

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-T	2.5		95.0	68.0		ug/Kg		69	24 - 115	9	40
2,4-D	ND		91.1	74.6	J	ug/Kg		82	32 - 115	10	40
2,4-DB	ND		99.0	22.4	J F	ug/Kg		23	37 - 119	28	50
Dalapon	ND		103	79.0		ug/Kg		77	11 - 115	7	50
Dicamba	ND		91.1	72.3		ug/Kg		79	11 - 115	7	50
Dichlorprop	ND		91.1	80.1		ug/Kg		88	35 - 115	8	50
Dinoseb	9.8		91.1	13.0	F	ug/Kg		3	5 - 166	88	50
MCPA	2600		9230	6400	J	ug/Kg		41	37 - 115	21	50
Silvex (2,4,5-TP)	ND		91.1	72.9		ug/Kg		80	53 - 134	11	40
MCPD	5700		9240	12600		ug/Kg		75	48 - 132	1	50

# QC Sample Results

Client: Green Analytical Laboratories  
Project/Site: Prymorys - Hester #1

TestAmerica Job ID: 280-21626-1

## Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: 280-21661-C-1-H MSD

Matrix: Solid

Analysis Batch: 94166

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 93072

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
2,4-Dichlorophenylacetic acid	72		31 - 105

## Method: 8321A - Carbamates (LC/MS)

Lab Sample ID: MB 280-91803/1-A

Matrix: Solid

Analysis Batch: 92370

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 91803

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diuron	Result	Qualifier					10/18/11 17:10	10/20/11 08:29	1
	ND		48	13	ug/Kg				
Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac			
Diuron-d6	%Recovery	Qualifier		10/18/11 17:10	10/20/11 08:29	1			
	92		50 - 150						

Lab Sample ID: LCS 280-91803/2-A

Matrix: Solid

Analysis Batch: 92370

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 91803

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.
Diuron	Added	Result	Qualifier			88	Limits
	196	174		ug/Kg			50 - 150
Surrogate	LCS	LCS	Limits				
Diuron-d6	%Recovery	Qualifier					
	92		50 - 150				

Lab Sample ID: 280-21626-20 MS

Matrix: Solid

Analysis Batch: 92370

Client Sample ID: P-3-6

Prep Type: Total/NA

Prep Batch: 91803

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
Diuron	Result	Qualifier	Added	Result	Qualifier		☼	113	Limits
	61		205	293		ug/Kg			50 - 150
Surrogate	MS	MS	Limits						
Diuron-d6	%Recovery	Qualifier							
	94		50 - 150						

Lab Sample ID: 280-21626-20 MSD

Matrix: Solid

Analysis Batch: 92370

Client Sample ID: P-3-6

Prep Type: Total/NA

Prep Batch: 91803

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD
Diuron	Result	Qualifier	Added	Result	Qualifier		☼	92	Limits	RPD Limit
	61		210	254		ug/Kg			50 - 150	14 40
Surrogate	MSD	MSD	Limits							
Diuron-d6	%Recovery	Qualifier								
	93		50 - 150							

# QC Sample Results

Client: Green Analytical Laboratories  
Project/Site: Prymorys - Hester #1

TestAmerica Job ID: 280-21626-1

## Method: 8321A - Carbamates (LC/MS) (Continued)

Lab Sample ID: MB 280-91828/1-A

Matrix: Solid

Analysis Batch: 92370

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 91828

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diuron	ND		48	12	ug/Kg		10/18/11 17:10	10/20/11 13:32	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Diuron-d6	106		50 - 150				10/18/11 17:10	10/20/11 13:32	1

Lab Sample ID: LCS 280-91828/2-A

Matrix: Solid

Analysis Batch: 92370

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 91828

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diuron	197	191		ug/Kg		97	50 - 150
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Diuron-d6	98		50 - 150				

Lab Sample ID: 280-21666-A-5-B MS

Matrix: Solid

Analysis Batch: 92370

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 91828

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diuron	ND		184	129		ug/Kg		70	50 - 150
Surrogate	MS %Recovery	MS Qualifier	Limits						
Diuron-d6	72		50 - 150						

Lab Sample ID: 280-21666-A-5-C MSD

Matrix: Solid

Analysis Batch: 92370

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 91828

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD Limit
Diuron	ND		197	164		ug/Kg		83	50 - 150	24
Surrogate	MSD %Recovery	MSD Qualifier	Limits							
Diuron-d6	83		50 - 150							

## Method: Moisture - Percent Moisture

Lab Sample ID: 280-21626-10 DU

Matrix: Solid

Analysis Batch: 91462

Client Sample ID: SE-1-6

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD Limit
Percent Moisture	20		19		%		4

QC Sample Results

Client: Green Analytical Laboratories  
Project/Site: Prymorys - Hester #1

TestAmerica Job ID: 280-21626-1

Method: Moisture - Percent Moisture (Continued)

Lab Sample ID: 280-21626-30 DU				Client Sample ID: FI-4-6			
Matrix: Solid				Prep Type: Total/NA			
Analysis Batch: 91462							
Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD Limit
Percent Moisture	16		16		%		1 20

# QC Association Summary

Client: Green Analytical Laboratories  
Project/Site: Prymorys - Hester #1

TestAmerica Job ID: 280-21626-1

## GC Semi VOA

### Prep Batch: 91694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-21590-D-1-B MS	Matrix Spike	Total/NA	Solid	8151A	
280-21590-D-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8151A	
280-21626-1	FO-4-S	Total/NA	Solid	8151A	
280-21626-2	FO-4-6	Total/NA	Solid	8151A	
280-21626-3	FO-3-S	Total/NA	Solid	8151A	
280-21626-4	FO-3-6	Total/NA	Solid	8151A	
280-21626-5	FO-2-S	Total/NA	Solid	8151A	
280-21626-6	FO-2-6	Total/NA	Solid	8151A	
280-21626-7	FO-1-S	Total/NA	Solid	8151A	
280-21626-8	FO-1-6	Total/NA	Solid	8151A	
280-21626-9	SE-1-S	Total/NA	Solid	8151A	
280-21626-10	SE-1-6	Total/NA	Solid	8151A	
280-21626-11	SE-2-S	Total/NA	Solid	8151A	
280-21626-12	SE-2-6	Total/NA	Solid	8151A	
280-21626-13	SE-3-S	Total/NA	Solid	8151A	
280-21626-14	SE-3-6	Total/NA	Solid	8151A	
280-21626-15	P-1-S	Total/NA	Solid	8151A	
280-21626-16	P-1-6	Total/NA	Solid	8151A	
LCS 280-91694/2-A	Lab Control Sample	Total/NA	Solid	8151A	
MB 280-91694/1-A	Method Blank	Total/NA	Solid	8151A	

### Prep Batch: 92115

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-21626-28	FI-3-6	Total/NA	Solid	8151A	
280-21626-29	FI-4-S	Total/NA	Solid	8151A	
280-21626-30	FI-4-6	Total/NA	Solid	8151A	
LCS 280-92115/2-A	Lab Control Sample	Total/NA	Solid	8151A	
MB 280-92115/1-A	Method Blank	Total/NA	Solid	8151A	

### Analysis Batch: 92937

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-21626-1	FO-4-S	Total/NA	Solid	8151A	91694
280-21626-2	FO-4-6	Total/NA	Solid	8151A	91694
280-21626-3	FO-3-S	Total/NA	Solid	8151A	91694
280-21626-4	FO-3-6	Total/NA	Solid	8151A	91694
280-21626-5	FO-2-S	Total/NA	Solid	8151A	91694
280-21626-6	FO-2-6	Total/NA	Solid	8151A	91694
280-21626-7	FO-1-S	Total/NA	Solid	8151A	91694
280-21626-8	FO-1-6	Total/NA	Solid	8151A	91694
280-21626-9	SE-1-S	Total/NA	Solid	8151A	91694
280-21626-10	SE-1-6	Total/NA	Solid	8151A	91694
280-21626-11	SE-2-S	Total/NA	Solid	8151A	91694
280-21626-12	SE-2-6	Total/NA	Solid	8151A	91694
280-21626-13	SE-3-S	Total/NA	Solid	8151A	91694
280-21626-14	SE-3-6	Total/NA	Solid	8151A	91694
280-21626-15	P-1-S	Total/NA	Solid	8151A	91694
280-21626-16	P-1-6	Total/NA	Solid	8151A	91694
LCS 280-91694/2-A	Lab Control Sample	Total/NA	Solid	8151A	91694
MB 280-91694/1-A	Method Blank	Total/NA	Solid	8151A	91694



# QC Association Summary

Client: Green Analytical Laboratories  
Project/Site: Prymorys - Hester #1

TestAmerica Job ID: 280-21626-1

## GC Semi VOA (Continued)

### Prep Batch: 93072

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-21626-17	P-2-S	Total/NA	Solid	8151A	
280-21626-18	P-2-6	Total/NA	Solid	8151A	
280-21626-19	P-3-S	Total/NA	Solid	8151A	
280-21626-20	P-3-6	Total/NA	Solid	8151A	
280-21626-21	P-4-S	Total/NA	Solid	8151A	
280-21626-22	P-4-6	Total/NA	Solid	8151A	
280-21626-23	FI-1-S	Total/NA	Solid	8151A	
280-21626-24	FI-1-6	Total/NA	Solid	8151A	
280-21626-25	FI-2-S	Total/NA	Solid	8151A	
280-21626-26	FI-2-6	Total/NA	Solid	8151A	
280-21626-27	FI-3-S	Total/NA	Solid	8151A	
280-21661-C-1-G MS	Matrix Spike	Total/NA	Solid	8151A	
280-21661-C-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8151A	
LCS 280-93072/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 280-93072/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	
MB 280-93072/1-A	Method Blank	Total/NA	Solid	8151A	

### Analysis Batch: 94013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-21590-D-1-B MS	Matrix Spike	Total/NA	Solid	8151A	91694
280-21590-D-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8151A	91694

### Analysis Batch: 94036

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-21626-28	FI-3-6	Total/NA	Solid	8151A	92115
280-21626-29	FI-4-S	Total/NA	Solid	8151A	92115
280-21626-30	FI-4-6	Total/NA	Solid	8151A	92115
LCS 280-92115/2-A	Lab Control Sample	Total/NA	Solid	8151A	92115
MB 280-92115/1-A	Method Blank	Total/NA	Solid	8151A	92115

### Analysis Batch: 94166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-21626-17	P-2-S	Total/NA	Solid	8151A	93072
280-21626-18	P-2-6	Total/NA	Solid	8151A	93072
280-21626-19	P-3-S	Total/NA	Solid	8151A	93072
280-21626-20	P-3-6	Total/NA	Solid	8151A	93072
280-21626-21	P-4-S	Total/NA	Solid	8151A	93072
280-21626-22	P-4-6	Total/NA	Solid	8151A	93072
280-21626-23	FI-1-S	Total/NA	Solid	8151A	93072
280-21626-24	FI-1-6	Total/NA	Solid	8151A	93072
280-21626-25	FI-2-S	Total/NA	Solid	8151A	93072
280-21626-26	FI-2-6	Total/NA	Solid	8151A	93072
280-21626-27	FI-3-S	Total/NA	Solid	8151A	93072
280-21661-C-1-G MS	Matrix Spike	Total/NA	Solid	8151A	93072
280-21661-C-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8151A	93072
LCS 280-93072/2-A	Lab Control Sample	Total/NA	Solid	8151A	93072
LCSD 280-93072/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	93072
MB 280-93072/1-A	Method Blank	Total/NA	Solid	8151A	93072

### Analysis Batch: 94229

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-21626-9	SE-1-S	Total/NA	Solid	8151A	91694

# QC Association Summary

Client: Green Analytical Laboratories  
Project/Site: Prymorys - Hester #1

TestAmerica Job ID: 280-21626-1

## LCMS

### Prep Batch: 91803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-21626-1	FO-4-S	Total/NA	Solid	8321A	
280-21626-2	FO-4-6	Total/NA	Solid	8321A	
280-21626-3	FO-3-S	Total/NA	Solid	8321A	
280-21626-4	FO-3-6	Total/NA	Solid	8321A	
280-21626-5	FO-2-S	Total/NA	Solid	8321A	
280-21626-6	FO-2-6	Total/NA	Solid	8321A	
280-21626-7	FO-1-S	Total/NA	Solid	8321A	
280-21626-8	FO-1-6	Total/NA	Solid	8321A	
280-21626-9	SE-1-S	Total/NA	Solid	8321A	
280-21626-10	SE-1-6	Total/NA	Solid	8321A	
280-21626-11	SE-2-S	Total/NA	Solid	8321A	
280-21626-12	SE-2-6	Total/NA	Solid	8321A	
280-21626-13	SE-3-S	Total/NA	Solid	8321A	
280-21626-14	SE-3-6	Total/NA	Solid	8321A	
280-21626-15	P-1-S	Total/NA	Solid	8321A	
280-21626-16	P-1-6	Total/NA	Solid	8321A	
280-21626-17	P-2-S	Total/NA	Solid	8321A	
280-21626-18	P-2-6	Total/NA	Solid	8321A	
280-21626-19	P-3-S	Total/NA	Solid	8321A	
280-21626-20	P-3-6	Total/NA	Solid	8321A	
280-21626-20 MS	P-3-6	Total/NA	Solid	8321A	
280-21626-20 MSD	P-3-6	Total/NA	Solid	8321A	
LCS 280-91803/2-A	Lab Control Sample	Total/NA	Solid	8321A	
MB 280-91803/1-A	Method Blank	Total/NA	Solid	8321A	

### Prep Batch: 91828

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-21626-21	P-4-S	Total/NA	Solid	8321A	
280-21626-22	P-4-6	Total/NA	Solid	8321A	
280-21626-23	FI-1-S	Total/NA	Solid	8321A	
280-21626-24	FI-1-6	Total/NA	Solid	8321A	
280-21626-25	FI-2-S	Total/NA	Solid	8321A	
280-21626-26	FI-2-6	Total/NA	Solid	8321A	
280-21626-27	FI-3-S	Total/NA	Solid	8321A	
280-21626-28	FI-3-6	Total/NA	Solid	8321A	
280-21626-29	FI-4-S	Total/NA	Solid	8321A	
280-21626-30	FI-4-6	Total/NA	Solid	8321A	
280-21666-A-5-B MS	Matrix Spike	Total/NA	Solid	8321A	
280-21666-A-5-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8321A	
LCS 280-91828/2-A	Lab Control Sample	Total/NA	Solid	8321A	
MB 280-91828/1-A	Method Blank	Total/NA	Solid	8321A	

### Analysis Batch: 92370

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-21626-1	FO-4-S	Total/NA	Solid	8321A	91803
280-21626-2	FO-4-6	Total/NA	Solid	8321A	91803
280-21626-3	FO-3-S	Total/NA	Solid	8321A	91803
280-21626-4	FO-3-6	Total/NA	Solid	8321A	91803
280-21626-5	FO-2-S	Total/NA	Solid	8321A	91803
280-21626-6	FO-2-6	Total/NA	Solid	8321A	91803
280-21626-7	FO-1-S	Total/NA	Solid	8321A	91803
280-21626-8	FO-1-6	Total/NA	Solid	8321A	91803

# QC Association Summary

Client: Green Analytical Laboratories  
Project/Site: Prymorys - Hester #1

TestAmerica Job ID: 280-21626-1

## LCMS (Continued)

### Analysis Batch: 92370 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-21626-9	SE-1-S	Total/NA	Solid	8321A	91803
280-21626-10	SE-1-6	Total/NA	Solid	8321A	91803
280-21626-11	SE-2-S	Total/NA	Solid	8321A	91803
280-21626-12	SE-2-6	Total/NA	Solid	8321A	91803
280-21626-13	SE-3-S	Total/NA	Solid	8321A	91803
280-21626-14	SE-3-6	Total/NA	Solid	8321A	91803
280-21626-15	P-1-S	Total/NA	Solid	8321A	91803
280-21626-16	P-1-6	Total/NA	Solid	8321A	91803
280-21626-17	P-2-S	Total/NA	Solid	8321A	91803
280-21626-18	P-2-6	Total/NA	Solid	8321A	91803
280-21626-19	P-3-S	Total/NA	Solid	8321A	91803
280-21626-20	P-3-6	Total/NA	Solid	8321A	91803
280-21626-20 MS	P-3-6	Total/NA	Solid	8321A	91803
280-21626-20 MSD	P-3-6	Total/NA	Solid	8321A	91803
280-21626-21	P-4-S	Total/NA	Solid	8321A	91828
280-21626-22	P-4-6	Total/NA	Solid	8321A	91828
280-21626-23	FI-1-S	Total/NA	Solid	8321A	91828
280-21626-24	FI-1-6	Total/NA	Solid	8321A	91828
280-21626-25	FI-2-S	Total/NA	Solid	8321A	91828
280-21626-26	FI-2-6	Total/NA	Solid	8321A	91828
280-21626-27	FI-3-S	Total/NA	Solid	8321A	91828
280-21626-28	FI-3-6	Total/NA	Solid	8321A	91828
280-21626-29	FI-4-S	Total/NA	Solid	8321A	91828
280-21626-30	FI-4-6	Total/NA	Solid	8321A	91828
280-21666-A-5-B MS	Matrix Spike	Total/NA	Solid	8321A	91828
280-21666-A-5-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8321A	91828
LCS 280-91803/2-A	Lab Control Sample	Total/NA	Solid	8321A	91803
LCS 280-91828/2-A	Lab Control Sample	Total/NA	Solid	8321A	91828
MB 280-91803/1-A	Method Blank	Total/NA	Solid	8321A	91803
MB 280-91828/1-A	Method Blank	Total/NA	Solid	8321A	91828

## General Chemistry

### Analysis Batch: 91462

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-21626-1	FO-4-S	Total/NA	Solid	Moisture	
280-21626-2	FO-4-6	Total/NA	Solid	Moisture	
280-21626-3	FO-3-S	Total/NA	Solid	Moisture	
280-21626-4	FO-3-6	Total/NA	Solid	Moisture	
280-21626-5	FO-2-S	Total/NA	Solid	Moisture	
280-21626-6	FO-2-6	Total/NA	Solid	Moisture	
280-21626-7	FO-1-S	Total/NA	Solid	Moisture	
280-21626-8	FO-1-6	Total/NA	Solid	Moisture	
280-21626-9	SE-1-S	Total/NA	Solid	Moisture	
280-21626-10	SE-1-6	Total/NA	Solid	Moisture	
280-21626-10 DU	SE-1-6	Total/NA	Solid	Moisture	
280-21626-11	SE-2-S	Total/NA	Solid	Moisture	
280-21626-12	SE-2-6	Total/NA	Solid	Moisture	
280-21626-13	SE-3-S	Total/NA	Solid	Moisture	
280-21626-14	SE-3-6	Total/NA	Solid	Moisture	
280-21626-15	P-1-S	Total/NA	Solid	Moisture	
280-21626-16	P-1-6	Total/NA	Solid	Moisture	

## QC Association Summary

Client: Green Analytical Laboratories  
Project/Site: Prymorys - Hester #1

TestAmerica Job ID: 280-21626-1

### General Chemistry (Continued)

#### Analysis Batch: 91462 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-21626-17	P-2-S	Total/NA	Solid	Moisture	
280-21626-18	P-2-6	Total/NA	Solid	Moisture	
280-21626-19	P-3-S	Total/NA	Solid	Moisture	
280-21626-20	P-3-6	Total/NA	Solid	Moisture	
280-21626-21	P-4-S	Total/NA	Solid	Moisture	
280-21626-22	P-4-6	Total/NA	Solid	Moisture	
280-21626-23	FI-1-S	Total/NA	Solid	Moisture	
280-21626-24	FI-1-6	Total/NA	Solid	Moisture	
280-21626-25	FI-2-S	Total/NA	Solid	Moisture	
280-21626-26	FI-2-6	Total/NA	Solid	Moisture	
280-21626-27	FI-3-S	Total/NA	Solid	Moisture	
280-21626-28	FI-3-6	Total/NA	Solid	Moisture	
280-21626-29	FI-4-S	Total/NA	Solid	Moisture	
280-21626-30	FI-4-6	Total/NA	Solid	Moisture	
280-21626-30 DU	FI-4-6	Total/NA	Solid	Moisture	

# Lab Chronicle

Client: Green Analytical Laboratories  
Project/Site: Prymorys - Hester #1

TestAmerica Job ID: 280-21626-1

**Client Sample ID: FO-4-S**

**Date Collected: 10/12/11 17:13**

**Date Received: 10/15/11 09:00**

**Lab Sample ID: 280-21626-1**

**Matrix: Solid**

**Percent Solids: 79.2**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			51.0 g	10000 uL	91694	10/18/11 10:40	JCV	TAL DEN
Total/NA	Analysis	8151A		1			92937	10/21/11 23:09	DW	TAL DEN
Total/NA	Prep	8321A			10.25 g	40 mL	91803	10/18/11 17:10	ACF	TAL DEN
Total/NA	Analysis	8321A		1			92370	10/20/11 08:51	JCB	TAL DEN
Total/NA	Analysis	Moisture		1			91462	10/17/11 11:28	PBB	TAL DEN

**Client Sample ID: FO-4-6**

**Date Collected: 10/12/11 17:18**

**Date Received: 10/15/11 09:00**

**Lab Sample ID: 280-21626-2**

**Matrix: Solid**

**Percent Solids: 77.4**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			51.6 g	10000 uL	91694	10/18/11 10:40	JCV	TAL DEN
Total/NA	Analysis	8151A		1			92937	10/21/11 23:30	DW	TAL DEN
Total/NA	Prep	8321A			10.39 g	40 mL	91803	10/18/11 17:10	ACF	TAL DEN
Total/NA	Analysis	8321A		1			92370	10/20/11 09:03	JCB	TAL DEN
Total/NA	Analysis	Moisture		1			91462	10/17/11 11:28	PBB	TAL DEN

**Client Sample ID: FO-3-S**

**Date Collected: 10/12/11 17:25**

**Date Received: 10/15/11 09:00**

**Lab Sample ID: 280-21626-3**

**Matrix: Solid**

**Percent Solids: 82.4**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			51.6 g	10000 uL	91694	10/18/11 10:40	JCV	TAL DEN
Total/NA	Analysis	8151A		1			92937	10/21/11 23:51	DW	TAL DEN
Total/NA	Prep	8321A			10.18 g	40 mL	91803	10/18/11 17:10	ACF	TAL DEN
Total/NA	Analysis	8321A		1			92370	10/20/11 09:14	JCB	TAL DEN
Total/NA	Analysis	Moisture		1			91462	10/17/11 11:28	PBB	TAL DEN

**Client Sample ID: FO-3-6**

**Date Collected: 10/12/11 17:25**

**Date Received: 10/15/11 09:00**

**Lab Sample ID: 280-21626-4**

**Matrix: Solid**

**Percent Solids: 83.7**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			51.5 g	10000 uL	91694	10/18/11 10:40	JCV	TAL DEN
Total/NA	Analysis	8151A		1			92937	10/22/11 00:12	DW	TAL DEN
Total/NA	Prep	8321A			10.06 g	40 mL	91803	10/18/11 17:10	ACF	TAL DEN
Total/NA	Analysis	8321A		1			92370	10/20/11 09:25	JCB	TAL DEN
Total/NA	Analysis	Moisture		1			91462	10/17/11 11:28	PBB	TAL DEN

# Lab Chronicle

Client: Green Analytical Laboratories  
Project/Site: Prymors - Hester #1

TestAmerica Job ID: 280-21626-1

**Client Sample ID: FO-2-S**

**Date Collected: 10/12/11 17:37**

**Date Received: 10/15/11 09:00**

**Lab Sample ID: 280-21626-5**

**Matrix: Solid**

**Percent Solids: 82.9**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			50.7 g	10000 uL	91694	10/18/11 10:40	JCV	TAL DEN
Total/NA	Analysis	8151A		1			92937	10/22/11 00:33	DW	TAL DEN
Total/NA	Prep	8321A			10.91 g	40 mL	91803	10/18/11 17:10	ACF	TAL DEN
Total/NA	Analysis	8321A		1			92370	10/20/11 09:36	JCB	TAL DEN
Total/NA	Analysis	Moisture		1			91462	10/17/11 11:28	PBB	TAL DEN

**Client Sample ID: FO-2-6**

**Date Collected: 10/12/11 17:37**

**Date Received: 10/15/11 09:00**

**Lab Sample ID: 280-21626-6**

**Matrix: Solid**

**Percent Solids: 85.4**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			50.2 g	10000 uL	91694	10/18/11 10:40	JCV	TAL DEN
Total/NA	Analysis	8151A		1			92937	10/22/11 00:54	DW	TAL DEN
Total/NA	Prep	8321A			10.08 g	40 mL	91803	10/18/11 17:10	ACF	TAL DEN
Total/NA	Analysis	8321A		1			92370	10/20/11 09:47	JCB	TAL DEN
Total/NA	Analysis	Moisture		1			91462	10/17/11 11:28	PBB	TAL DEN

**Client Sample ID: FO-1-S**

**Date Collected: 10/12/11 17:49**

**Date Received: 10/15/11 09:00**

**Lab Sample ID: 280-21626-7**

**Matrix: Solid**

**Percent Solids: 77.8**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			50.9 g	10000 uL	91694	10/18/11 10:40	JCV	TAL DEN
Total/NA	Analysis	8151A		1			92937	10/22/11 01:36	DW	TAL DEN
Total/NA	Prep	8321A			10.44 g	40 mL	91803	10/18/11 17:10	ACF	TAL DEN
Total/NA	Analysis	8321A		1			92370	10/20/11 10:10	JCB	TAL DEN
Total/NA	Analysis	Moisture		1			91462	10/17/11 11:28	PBB	TAL DEN

**Client Sample ID: FO-1-6**

**Date Collected: 10/12/11 17:49**

**Date Received: 10/15/11 09:00**

**Lab Sample ID: 280-21626-8**

**Matrix: Solid**

**Percent Solids: 77.8**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			50.3 g	10000 uL	91694	10/18/11 10:40	JCV	TAL DEN
Total/NA	Analysis	8151A		1			92937	10/22/11 01:57	DW	TAL DEN
Total/NA	Prep	8321A			10.05 g	40 mL	91803	10/18/11 17:10	ACF	TAL DEN
Total/NA	Analysis	8321A		1			92370	10/20/11 10:21	JCB	TAL DEN
Total/NA	Analysis	Moisture		1			91462	10/17/11 11:28	PBB	TAL DEN

# Lab Chronicle

Client: Green Analytical Laboratories  
Project/Site: Prymors - Hester #1

TestAmerica Job ID: 280-21626-1

**Client Sample ID: SE-1-S**

**Date Collected: 10/12/11 17:59**

**Date Received: 10/15/11 09:00**

**Lab Sample ID: 280-21626-9**

**Matrix: Solid**

**Percent Solids: 71.7**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			50.9 g	10000 uL	91694	10/18/11 10:40	JCV	TAL DEN
Total/NA	Analysis	8151A		1			92937	10/22/11 02:18	DW	TAL DEN
Total/NA	Analysis	8151A		1			94229	11/01/11 03:19	TEM	TAL DEN
Total/NA	Prep	8321A			10.12 g	40 mL	91803	10/18/11 17:10	ACF	TAL DEN
Total/NA	Analysis	8321A		2			92370	10/20/11 10:32	JCB	TAL DEN
Total/NA	Analysis	Moisture		1			91462	10/17/11 11:28	PBB	TAL DEN

**Client Sample ID: SE-1-6**

**Date Collected: 10/12/11 17:59**

**Date Received: 10/15/11 09:00**

**Lab Sample ID: 280-21626-10**

**Matrix: Solid**

**Percent Solids: 79.9**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			51.0 g	10000 uL	91694	10/18/11 10:40	JCV	TAL DEN
Total/NA	Analysis	8151A		1			92937	10/22/11 02:40	DW	TAL DEN
Total/NA	Prep	8321A			10.47 g	40 mL	91803	10/18/11 17:10	ACF	TAL DEN
Total/NA	Analysis	8321A		1			92370	10/20/11 10:44	JCB	TAL DEN
Total/NA	Analysis	Moisture		1			91462	10/17/11 11:28	PBB	TAL DEN

**Client Sample ID: SE-2-S**

**Date Collected: 10/12/11 10:25**

**Date Received: 10/15/11 09:00**

**Lab Sample ID: 280-21626-11**

**Matrix: Solid**

**Percent Solids: 77.6**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			52.3 g	10000 uL	91694	10/18/11 10:40	JCV	TAL DEN
Total/NA	Analysis	8151A		1			92937	10/22/11 03:01	DW	TAL DEN
Total/NA	Prep	8321A			10.66 g	40 mL	91803	10/18/11 17:10	ACF	TAL DEN
Total/NA	Analysis	8321A		1			92370	10/20/11 10:55	JCB	TAL DEN
Total/NA	Analysis	Moisture		1			91462	10/17/11 11:28	PBB	TAL DEN

**Client Sample ID: SE-2-6**

**Date Collected: 10/12/11 10:25**

**Date Received: 10/15/11 09:00**

**Lab Sample ID: 280-21626-12**

**Matrix: Solid**

**Percent Solids: 78.4**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			51.2 g	10000 uL	91694	10/18/11 10:40	JCV	TAL DEN
Total/NA	Analysis	8151A		1			92937	10/22/11 03:22	DW	TAL DEN
Total/NA	Prep	8321A			10.47 g	40 mL	91803	10/18/11 17:10	ACF	TAL DEN
Total/NA	Analysis	8321A		1			92370	10/20/11 11:06	JCB	TAL DEN
Total/NA	Analysis	Moisture		1			91462	10/17/11 11:28	PBB	TAL DEN

# Lab Chronicle

Client: Green Analytical Laboratories  
Project/Site: Prymors - Hester #1

TestAmerica Job ID: 280-21626-1

**Client Sample ID: SE-3-S**

**Lab Sample ID: 280-21626-13**

Date Collected: 10/12/11 10:15

Matrix: Solid

Date Received: 10/15/11 09:00

Percent Solids: 95.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			51.5 g	10000 uL	91694	10/18/11 10:40	JCV	TAL DEN
Total/NA	Analysis	8151A		1			92937	10/22/11 03:43	DW	TAL DEN
Total/NA	Prep	8321A			10.42 g	40 mL	91803	10/18/11 17:10	ACF	TAL DEN
Total/NA	Analysis	8321A		1			92370	10/20/11 11:17	JCB	TAL DEN
Total/NA	Analysis	Moisture		1			91462	10/17/11 11:28	PBB	TAL DEN

**Client Sample ID: SE-3-6**

**Lab Sample ID: 280-21626-14**

Date Collected: 10/12/11 10:15

Matrix: Solid

Date Received: 10/15/11 09:00

Percent Solids: 81.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			52.0 g	10000 uL	91694	10/18/11 10:40	JCV	TAL DEN
Total/NA	Analysis	8151A		1			92937	10/22/11 04:05	DW	TAL DEN
Total/NA	Prep	8321A			10.91 g	40 mL	91803	10/18/11 17:10	ACF	TAL DEN
Total/NA	Analysis	8321A		1			92370	10/20/11 11:28	JCB	TAL DEN
Total/NA	Analysis	Moisture		1			91462	10/17/11 11:28	PBB	TAL DEN

**Client Sample ID: P-1-S**

**Lab Sample ID: 280-21626-15**

Date Collected: 10/12/11 10:57

Matrix: Solid

Date Received: 10/15/11 09:00

Percent Solids: 94.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			50.8 g	10000 uL	91694	10/18/11 10:40	JCV	TAL DEN
Total/NA	Analysis	8151A		1			92937	10/22/11 04:26	DW	TAL DEN
Total/NA	Prep	8321A			10.08 g	40 mL	91803	10/18/11 17:10	ACF	TAL DEN
Total/NA	Analysis	8321A		1			92370	10/20/11 11:51	JCB	TAL DEN
Total/NA	Analysis	Moisture		1			91462	10/17/11 11:28	PBB	TAL DEN

**Client Sample ID: P-1-6**

**Lab Sample ID: 280-21626-16**

Date Collected: 10/12/11 10:57

Matrix: Solid

Date Received: 10/15/11 09:00

Percent Solids: 93.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			52.2 g	10000 uL	91694	10/18/11 10:40	JCV	TAL DEN
Total/NA	Analysis	8151A		1			92937	10/22/11 04:47	DW	TAL DEN
Total/NA	Prep	8321A			10.90 g	40 mL	91803	10/18/11 17:10	ACF	TAL DEN
Total/NA	Analysis	8321A		1			92370	10/20/11 12:02	JCB	TAL DEN
Total/NA	Analysis	Moisture		1			91462	10/17/11 11:28	PBB	TAL DEN



# Lab Chronicle

Client: Green Analytical Laboratories  
Project/Site: Prymors - Hester #1

TestAmerica Job ID: 280-21626-1

## Client Sample ID: P-2-S

Date Collected: 10/12/11 11:10

Date Received: 10/15/11 09:00

## Lab Sample ID: 280-21626-17

Matrix: Solid

Percent Solids: 95.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			50.9 g	10000 uL	93072	10/25/11 23:00	EJP	TAL DEN
Total/NA	Analysis	8151A		1			94166	10/31/11 21:55	TEM	TAL DEN
Total/NA	Prep	8321A			10.62 g	40 mL	91803	10/18/11 17:10	ACF	TAL DEN
Total/NA	Analysis	8321A		5			92370	10/20/11 12:13	JCB	TAL DEN
Total/NA	Analysis	Moisture		1			91462	10/17/11 11:28	PBB	TAL DEN

## Client Sample ID: P-2-6

Date Collected: 10/12/11 11:10

Date Received: 10/15/11 09:00

## Lab Sample ID: 280-21626-18

Matrix: Solid

Percent Solids: 91.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			50.7 g	10000 uL	93072	10/25/11 23:00	EJP	TAL DEN
Total/NA	Analysis	8151A		1			94166	10/31/11 22:38	TEM	TAL DEN
Total/NA	Prep	8321A			10.51 g	40 mL	91803	10/18/11 17:10	ACF	TAL DEN
Total/NA	Analysis	8321A		1			92370	10/20/11 12:25	JCB	TAL DEN
Total/NA	Analysis	Moisture		1			91462	10/17/11 11:28	PBB	TAL DEN

## Client Sample ID: P-3-S

Date Collected: 10/12/11 11:25

Date Received: 10/15/11 09:00

## Lab Sample ID: 280-21626-19

Matrix: Solid

Percent Solids: 96.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			50.5 g	10000 uL	93072	10/25/11 23:00	EJP	TAL DEN
Total/NA	Analysis	8151A		1			94166	10/31/11 23:00	TEM	TAL DEN
Total/NA	Prep	8321A			10.11 g	40 mL	91803	10/18/11 17:10	ACF	TAL DEN
Total/NA	Analysis	8321A		10			92370	10/20/11 12:36	JCB	TAL DEN
Total/NA	Analysis	Moisture		1			91462	10/17/11 11:28	PBB	TAL DEN

## Client Sample ID: P-3-6

Date Collected: 10/12/11 11:25

Date Received: 10/15/11 09:00

## Lab Sample ID: 280-21626-20

Matrix: Solid

Percent Solids: 94.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			51.8 g	10000 uL	93072	10/25/11 23:00	EJP	TAL DEN
Total/NA	Analysis	8151A		1			94166	10/31/11 23:21	TEM	TAL DEN
Total/NA	Prep	8321A			10.34 g	40 mL	91803	10/18/11 17:10	ACF	TAL DEN
Total/NA	Analysis	8321A		1			92370	10/20/11 12:47	JCB	TAL DEN
Total/NA	Analysis	Moisture		1			91462	10/17/11 11:28	PBB	TAL DEN

# Lab Chronicle

Client: Green Analytical Laboratories  
Project/Site: Prymors - Hester #1

TestAmerica Job ID: 280-21626-1

## Client Sample ID: P-4-S

Date Collected: 10/12/11 10:45

Date Received: 10/15/11 09:00

## Lab Sample ID: 280-21626-21

Matrix: Solid

Percent Solids: 96.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			50.6 g	10000 uL	93072	10/25/11 23:00	EJP	TAL DEN
Total/NA	Analysis	8151A		1			94166	10/31/11 23:43	TEM	TAL DEN
Total/NA	Prep	8321A			10.37 g	40 mL	91828	10/18/11 17:10	ACF	TAL DEN
Total/NA	Analysis	8321A		1			92370	10/20/11 13:54	JCB	TAL DEN
Total/NA	Analysis	Moisture		1			91462	10/17/11 11:28	PBB	TAL DEN

## Client Sample ID: P-4-6

Date Collected: 10/12/11 10:45

Date Received: 10/15/11 09:00

## Lab Sample ID: 280-21626-22

Matrix: Solid

Percent Solids: 92.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			51.8 g	10000 uL	93072	10/25/11 23:00	EJP	TAL DEN
Total/NA	Analysis	8151A		1			94166	11/01/11 00:05	TEM	TAL DEN
Total/NA	Prep	8321A			10.67 g	40 mL	91828	10/18/11 17:10	ACF	TAL DEN
Total/NA	Analysis	8321A		1			92370	10/20/11 14:05	JCB	TAL DEN
Total/NA	Analysis	Moisture		1			91462	10/17/11 11:28	PBB	TAL DEN

## Client Sample ID: FI-1-S

Date Collected: 10/12/11 09:58

Date Received: 10/15/11 09:00

## Lab Sample ID: 280-21626-23

Matrix: Solid

Percent Solids: 78.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			50.4 g	10000 uL	93072	10/25/11 23:00	EJP	TAL DEN
Total/NA	Analysis	8151A		1			94166	11/01/11 00:26	TEM	TAL DEN
Total/NA	Prep	8321A			10.96 g	40 mL	91828	10/18/11 17:10	ACF	TAL DEN
Total/NA	Analysis	8321A		1			92370	10/20/11 14:17	JCB	TAL DEN
Total/NA	Analysis	Moisture		1			91462	10/17/11 11:28	PBB	TAL DEN

## Client Sample ID: FI-1-6

Date Collected: 10/12/11 09:58

Date Received: 10/15/11 09:00

## Lab Sample ID: 280-21626-24

Matrix: Solid

Percent Solids: 80.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			50.2 g	10000 uL	93072	10/25/11 23:00	EJP	TAL DEN
Total/NA	Analysis	8151A		1			94166	11/01/11 00:48	TEM	TAL DEN
Total/NA	Prep	8321A			10.73 g	40 mL	91828	10/18/11 17:10	ACF	TAL DEN
Total/NA	Analysis	8321A		1			92370	10/20/11 14:28	JCB	TAL DEN
Total/NA	Analysis	Moisture		1			91462	10/17/11 11:28	PBB	TAL DEN

# Lab Chronicle

Client: Green Analytical Laboratories  
Project/Site: Prymors - Hester #1

TestAmerica Job ID: 280-21626-1

**Client Sample ID: FI-2-S**

**Date Collected: 10/12/11 09:42**

**Date Received: 10/15/11 09:00**

**Lab Sample ID: 280-21626-25**

**Matrix: Solid**

**Percent Solids: 81.8**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			51.3 g	10000 uL	93072	10/25/11 23:00	EJP	TAL DEN
Total/NA	Analysis	8151A		1			94166	11/01/11 01:10	TEM	TAL DEN
Total/NA	Prep	8321A			10.41 g	40 mL	91828	10/18/11 17:10	ACF	TAL DEN
Total/NA	Analysis	8321A		1			92370	10/20/11 14:39	JCB	TAL DEN
Total/NA	Analysis	Moisture		1			91462	10/17/11 11:28	PBB	TAL DEN

**Client Sample ID: FI-2-6**

**Date Collected: 10/12/11 09:42**

**Date Received: 10/15/11 09:00**

**Lab Sample ID: 280-21626-26**

**Matrix: Solid**

**Percent Solids: 83.4**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			50.8 g	10000 uL	93072	10/25/11 23:00	EJP	TAL DEN
Total/NA	Analysis	8151A		1			94166	11/01/11 01:31	TEM	TAL DEN
Total/NA	Prep	8321A			10.66 g	40 mL	91828	10/18/11 17:10	ACF	TAL DEN
Total/NA	Analysis	8321A		1			92370	10/20/11 14:50	JCB	TAL DEN
Total/NA	Analysis	Moisture		1			91462	10/17/11 11:28	PBB	TAL DEN

**Client Sample ID: FI-3-S**

**Date Collected: 10/12/11 09:30**

**Date Received: 10/15/11 09:00**

**Lab Sample ID: 280-21626-27**

**Matrix: Solid**

**Percent Solids: 82.8**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			52.5 g	10000 uL	93072	10/25/11 23:00	EJP	TAL DEN
Total/NA	Analysis	8151A		1			94166	11/01/11 01:53	TEM	TAL DEN
Total/NA	Prep	8321A			10.52 g	40 mL	91828	10/18/11 17:10	ACF	TAL DEN
Total/NA	Analysis	8321A		1			92370	10/20/11 15:13	JCB	TAL DEN
Total/NA	Analysis	Moisture		1			91462	10/17/11 11:28	PBB	TAL DEN

**Client Sample ID: FI-3-6**

**Date Collected: 10/12/11 09:30**

**Date Received: 10/15/11 09:00**

**Lab Sample ID: 280-21626-28**

**Matrix: Solid**

**Percent Solids: 84.5**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			50.8 g	10000 uL	92115	10/20/11 00:00	SPF	TAL DEN
Total/NA	Analysis	8151A		1			94036	10/27/11 11:39	TEM	TAL DEN
Total/NA	Prep	8321A			10.52 g	40 mL	91828	10/18/11 17:10	ACF	TAL DEN
Total/NA	Analysis	8321A		1			92370	10/20/11 15:24	JCB	TAL DEN
Total/NA	Analysis	Moisture		1			91462	10/17/11 11:28	PBB	TAL DEN

Lab Chronicle

Client: Green Analytical Laboratories  
Project/Site: Prymorys - Hester #1

TestAmerica Job ID: 280-21626-1

**Client Sample ID: FI-4-S**  
**Date Collected: 10/12/11 09:20**  
**Date Received: 10/15/11 09:00**

**Lab Sample ID: 280-21626-29**  
**Matrix: Solid**  
**Percent Solids: 79.6**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			50.5 g	10000 uL	92115	10/20/11 00:00	SPF	TAL DEN
Total/NA	Analysis	8151A		1			94036	10/27/11 12:00	TEM	TAL DEN
Total/NA	Prep	8321A			10.41 g	40 mL	91828	10/18/11 17:10	ACF	TAL DEN
Total/NA	Analysis	8321A		1			92370	10/20/11 15:35	JCB	TAL DEN
Total/NA	Analysis	Moisture		1			91462	10/17/11 11:28	PBB	TAL DEN

**Client Sample ID: FI-4-6**  
**Date Collected: 10/12/11 09:20**  
**Date Received: 10/15/11 09:00**

**Lab Sample ID: 280-21626-30**  
**Matrix: Solid**  
**Percent Solids: 84.4**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			50.9 g	10000 uL	92115	10/20/11 00:00	SPF	TAL DEN
Total/NA	Analysis	8151A		1			94036	10/27/11 12:22	TEM	TAL DEN
Total/NA	Prep	8321A			10.06 g	40 mL	91828	10/18/11 17:10	ACF	TAL DEN
Total/NA	Analysis	8321A		1			92370	10/20/11 15:46	JCB	TAL DEN
Total/NA	Analysis	Moisture		1			91462	10/17/11 11:28	PBB	TAL DEN

**Laboratory References:**  
TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

## Login Sample Receipt Checklist

Client: Green Analytical Laboratories

Job Number: 280-21626-1

Login Number: 21626

List Source: TestAmerica Denver

List Number: 1

Creator: Paulsen, Lindsay T

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Client: GREEN ANALYTICAL

Contact: DEBBIE ZUFELT

Address: 75 SUTTLE ST

DURANGO, CO 81303

Phone Number: 970-247-4220

FAX Number: 970-247-4227

3.8

Test America - Denver

## CHAIN OF CUSTODY RECORD

### NOTES:

- 1) Ensure proper container packaging.
- 2) Ship samples promptly following collection.
- 3) Designate Sample Reject Disposition.

PO# GALL-241

Project Name: Pymays

Hester #1

### Table 1. - Matrix Type

- 1 = Surface Water, 2 = Ground Water  
3 = Soil/Sediment, 4 = Rinsate, 5 = Oil  
6 = Waste, 7 = Other (Specify) \_\_\_\_\_

FOR GAL USE ONLY

GAL JOB # \_\_\_\_\_

Page 1 of 3

Samplers Signature: \_\_\_\_\_

PLEASE CALL WITH ANY QUESTIONS

Sample ID	Collection		Miscellaneous				Preservative(s)				Comments			
	Date	Time	Collected by: (Init.)	Matrix Type	No. of Containers	Sample Filtered ? Y/N	Unpreserved (Ice Only)	HNO3	HCL	H2SO4		NAOH	Other (Specify)	
1. F0-4-S	10-12-11	1713	JPI	3	1	N	X						X 81514.1st Herb	1110-085-01
2. F0-4-L		1718												-02
3. F0-3-S		1725												-03
4. F0-3-L		1725												-04
5. F0-2-S		1737												-05
6. F0-2-L		1737												-06
7. F0-1-S		1749												-07
8. F0-1-L		1749												-08
9. SE-1-S		1759												-09
10. SE-1-L		1759												-10

Relinquished by: Debbie Zufelt Date: 10-14-11 Time: \_\_\_\_\_  
Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received by: [Signature] Date: 10/15/11 Time: 0900  
Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

\* Sample Reject: [ ] Return [ ] Dispose [ ] Store (30 Days)

CHAIN OF CUSTODY RECORD

Client: GREEN ANALYTICAL  
Contact: DEBBIE ZUFELT  
Address: 75 SUTTLE ST  
DURANGO, CO 81303  
Phone Number: 970-247-4220  
FAX Number: 970-247-4227

**NOTES:**

- 1) Ensure proper container packaging.
- 2) Ship samples promptly following collection.
- 3) Designate Sample Reject Disposition.

PO# GA11-241

Project Name: Prymarys -  
Hester #1

Table 1. - Matrix Type

1 = Surface Water, 2 = Ground Water  
3 = Soil/Sediment, 4 = Rinsate, 5 = Oil  
6 = Waste, 7 = Other (Specify) \_\_\_\_\_

**FOR GAL USE ONLY**

GAL JOB #

**Samplers Signature:**

PLEASE CALL WITH ANY QUESTIONS

Lab Name: Green Analytical Laboratories						(970) 247-4220 FAX (970) 247-4227		Hester #				
Address: 75 Suttle Street, Durango, CO 81303												
Sample ID	Collection		Miscellaneous			Preservative(s)						
	Date	Time	Collected by: (Init.)	Matrix Type From Table I	No. of Containers	Sample Filled ? Y/N	Unpreserved (Ice Only)	HNO <sub>3</sub>	HCL	H <sub>2</sub> SO <sub>4</sub>	NAOH	Other (Specify)
1. SE-2-S	10-12-11	1025	JPI	3	1	N	X					
2. SE-2-6		1025										
3. SE-3-S		1015										
4. SE-3-6		1015										
5. P-1-S		1057										
6. P-1-6		1057										
7. P-2-S		1110										
8. P-2-6		1110										
9. P-3-S		1125										
10. P-3-6		1125										

Analyses Required

Per Quote # 28007053

8321A-Division

8151A List Herb

Comments

1110-085-11

-12

-13

-14

-15

-16

-17

-18

-19

-20

Relinquished by: Debbie Zupelt

Relinquished by:

Date: 10-14-11

Date:

Received by: J. J. J.

Received by:

Date: 10-15-11

Date:

Time: 0900

Time:

\* Sample Reject: ☐ Return ☐ Dispose ☐ Store (30 Days)

